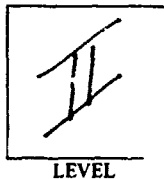


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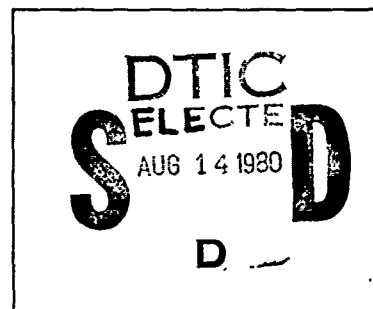
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USAFETAC
Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS

MISAWA AB JP FLD ELEV 118 FT RJOM ZONE #4402
K 41 141 23 JMC 47580

PARTS A-E
PCR FROM HOURLY OBS: DEC 69 - NOV 79

FOR FROM DAILY OBS: APR 48 - MAR 72

TIME CONVERSION GMT TO LST: +9

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REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 80/064	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Misawa AB, JP		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
7. AUTHOR(s)		6. PERFORMING ORG. REPORT NUMBER															
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14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		12. REPORT DATE 3 July 80															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperatures</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative Humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperatures	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative Humidity	*Climatological data	(over)
*RUSSWO	Daily temperatures	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative Humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Misawa AB, JP. It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

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19. Percentage frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables

*Japan

**Misawa AB, JP

20. and dew point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurring tables.

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER DATA NOT AVAILABLE

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV.
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE DATA NOT AVAILABLE

SEA LEVEL PRESSURE DATA NOT AVAILABLE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

REPORT NUMBER	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV (FT)	CALL SIGN	WMO NUMBER
47500	MISAWA AB JAPAN	N 40 41	E 141 23	118	FMJH	47500

STATION LOCATION AND INSTRUMENTATION HISTORY

NO.	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. RADIO	
1	Misawa APB	APB	Apr 48	Feb 54	N 40 42	E 141 22	N/A	122 FT	24
2	Misawa AB	AB	Mar 54	Aug 56	N 40 41	Same	118	Same	24
3	Same	Same	Sep 56	Apr 64	Same	Same	Same	141 FT	24
4	Same	Same	May 64	Mar 72	Same	Same	Same	121 FT	24
5	Obs taken by Japan Govt	JP	Apr 72	Nov 79	Same	E 141 23	Same	Same	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Apr 48	N/A	Anemometer	N/A	N/A	Best Available Copy
2	Mar 53	Located 200 yds N of station	GMQ-1	Same	14 Ft	
3	Mar 54	Located N of weather station and between parking apron and runway	Same	Same	15.5 Ft	
4	May 55	Located 570 ft NNE of the observing tower	Same	Same	10 Ft	
5	Mar 59	Located between taxiway and runway	Same	Same	12 Ft	
6	Jan 61	Located 700 ft N of runway center	GMQ-11	RO-2	12 Ft	
7	Apr 63	Located 500 ft S of runway center and 1000 ft W of the East end	GMQ-11	RO-2	12 Ft	

STATION LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
11	May 64	1. Located 700 ft E of W end runway 10, 500 ft S of centerline	Same	Same	13 ft	Station deactivated 31 Mar 72 Japan Government
		2. Located 1000 ft W of E end runway 26, 500 ft S of runway centerline	Same		12 ft	
2	Mar 72	1. Same	Same	Same	13 ft	
		2. Same	Same		12 ft	
10	Nov 79	N/A	N/A	N/A	N/A	

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PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WEAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

444 MISAAA AB JP

70-79

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR ICE	HAUL	% CLOUD F	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	0-23		5.1		31.8		39.3	.1				.1	917
	3-25		4.3		30.6		40.6	.2	.1	.1		.4	908
	26-28		4.1		34.6		38.4	.4	.1	.1		.7	917
	9-11		4.0		34.7		37.7	.3	.2	.2		.8	911
	12-14		4.9		32.1		41.7	.3	.9	.2		1.4	913
	15-17		5.2		35.3		39.0	.4	.5	.2		1.2	911
	18-20		6.7		32.6		37.3	1.0	.5			1.3	911
	21-23		6.1		34.0		39.7	.6	.2			.8	906
TOTALS			5.3		35.1		39.3	.4	.4	.1		.9	7270

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFR WEATHER SERVICE/MAC

WEATHER CONDITIONS

44472 MISAWA AB JP

7-79

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECP.	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
FEB	00-02		4.1		30.5		39.1	1.2	.2			1.4	828
	03-05		3.7		37.4		39.6	.6	.4			1.0	831
	06-08		4.0		34.0		37.7	.6	.5			1.1	835
	09-11		3.7		30.6		33.7	.7	.4	.2		1.3	819
	12-14		4.9		33.4		37.4	.2	.4	.4		1.0	824
	15-17		4.6		33.7	.1	37.4	.5	.7	.1		1.3	827
	18-20		5.3		31.7		35.4	.4	1.6			1.9	834
	21-23		4.5		34.4		37.6	1.1	1.3			2.4	829
TOTALS			4.4		34.0	.0	37.3	.7	.7	.1		1.4	6627

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

WEATHER CONDITIONS

444 2 15444 AB JP

70-79

MAC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND OR SLEET	HALE	% OF OBS WITH PRECIP	FOG	SMOKE AND OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
MAC	10-32		5.4		24.9		29.7	3.5	1.2			4.6	915
	13-35		5.5		24.5		28.7	2.4	1.1			3.5	913
	6-38		5.2		23.0		27.9	2.9	1.5	.1		4.5	909
	9-11		5.9		22.7		27.2	2.8	1.9	.1		4.8	894
	12-14		6.5		24.8	.1	29.9	1.6	1.2			3.0	913
	15-17		7.1		22.0		27.8	1.0	.9	.1		2.0	902
	18-20	.1	7.0		20.4		26.1	1.9	1.1			2.9	916
	1-23	.3	7.3		22.6		28.1	2.4	1.8			4.2	912
TOTALS		.1	6.4		23.1	.0	28.2	2.3	1.4	.0		3.7	7244

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

WEATHER CONDITIONS

44-02 MISAWA AB JP 7J-79 APP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
APP	00-02	.1	13.1		2.2		15.2	10.7	1.6			12.3	367
	03-05		12.4		1.7		13.8	13.5	.9			14.4	362
	06-08		13.4		2.2		15.2	9.3	2.1		.1	11.6	357
	09-11		13.2		1.7		14.6	3.3	4.3		.5	8.3	361
	12-14		12.7		2.4		14.0	2.5	1.6		2.4	6.5	674
	15-17		12.6		3.2		13.9	3.6	2.7		1.2	7.4	862
	18-20	.1	12.7		2.5		14.2	8.7	1.5			10.2	871
	21-23		10.5		1.5		11.5	10.9	1.3		.2	12.4	863
TOTALS		.0	12.6		2.2		14.1	7.8	2.0		.6	10.4	6917

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
A14 WEATHER SERVICE, MAC

WEATHER CONDITIONS

444 2 HISAWA AB JP

75-79

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW- AND, OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MAY	00-02		14.9				14.9	17.2	1.2			16.4	917
	03-05		16.1		.1		16.1	17.6	1.1			18.7	919
	06-08	.1	13.8				13.8	10.2	2.0		.1	12.3	912
	09-11		13.6				13.6	5.9	1.9		.6	8.3	903
	12-14	.8	13.5		.2		13.5	3.6	2.4		.4	6.4	901
	15-17		13.5				13.5	4.5	1.5		.2	6.3	911
	18-20	.3	14.2				14.2	9.2	1.8			11.0	911
	21-23		14.2				14.2	13.0	2.5			15.5	907
TOTALS		.2	14.2		.0		14.2	10.2	1.8		.2	12.1	7281

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

4402 MISAWA AB JP 7.1-79 JUN
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUN	00-02	.1	19.2				19.2	39.3	1.2			40.5	865
	03-05	.3	20.7				20.7	36.5	.7			37.2	864
	06-08	.8	21.7				21.7	30.6	1.8			32.4	866
	09-11		17.0				17.0	18.9	2.5			21.3	841
	12-14	.1	18.5				18.5	9.6	2.5			12.1	867
	15-17	.7	20.5				20.5	11.8	2.1			13.9	872
	18-20		18.8				18.8	22.3	3.0			25.3	865
	21-23		17.0				17.0	35.5	2.2			37.7	870
TOTALS		.3	19.2				19.2	25.6	2.0			27.6	6910

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
IN WEATHER SERVICE/MAC

WEATHER CONDITIONS

444 2 FUSAWA AB JP 7C-79 JUL
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JUL	02-02	.3	14.7				14.7	36.2	3.2			41.4	910
	03-05	.6	17.0				17.0	41.0	2.2			43.2	901
	06-08		17.6				17.6	33.9	3.8			37.7	900
	09-11	.1	14.0				14.0	18.4	7.9		.3	26.6	897
	12-14	.8	12.8			.1	13.0	10.2	9.1			19.3	903
	15-17	1.3	14.2				14.2	12.1	7.3			19.4	904
	18-20	.4	14.9				14.9	24.4	8.7			33.1	907
	21-23	.1	13.9				13.9	37.9	5.9			43.8	904
TOTALS		.5	14.9			.0	14.9	27.0	6.0		.0	33.1	7226

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATP WEATHER SERVICE/NAC

WEATHER CONDITIONS

444 2
STATION

MISAWA AB JP
STATION NAME

75-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS
AUG	00-02	.5	13.4				13.4	27.0	2.1			29.0	916
	03-05	1.0	15.2				15.2	26.3	1.0			27.3	917
	06-08	.7	15.6				15.6	24.4	1.5			25.9	915
	09-11	.2	14.6				14.6	11.6	4.0			15.6	905
	12-14	1.1	13.4				13.4	6.8	4.3			11.1	910
	15-17	.3	13.7				13.7	7.5	3.7			11.3	914
	18-20	.5	14.2				14.2	15.7	5.3			23.9	913
	21-23	.7	14.5				14.5	23.3	3.1			26.3	916
TOTALS		.6	14.3				14.3	17.8	3.1			20.9	7306

1
2
1
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

1
444 2 PISAWA AB JP 73-79 SEP
STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
SEP	00-02	.1	18.2				18.2	10.5	.6			11.1	886
	03-05	.2	20.8				20.8	9.3				9.3	888
	06-08		17.6				17.6	6.3	.5			5.7	880
	09-11		15.4				15.4	3.0	2.1			5.0	875
	12-14	.3	15.7				15.7	1.4	2.4			3.7	886
	15-17	.5	16.0				16.0	2.1	3.3			5.4	887
	18-20	.5	16.6				16.6	5.7	2.6			8.3	883
	21-23	.6	16.9				16.9	9.4	.7			10.1	885
TOTALS		.3	17.2				17.2	6.0	1.5			7.5	7072

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

44472 HISSAAA AB CP

70-70

OCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
OCT	00-03	.1	12.4				12.4	9.1	1.4			13.5	716
	03-06		12.7				12.7	7.6	1.0			8.6	921
	06-09	.1	11.9				11.9	6.3	.9			7.2	921
	09-12	.1	10.3				10.3	2.5	1.5			4.1	910
	12-15	.3	12.1				12.1	.9	1.6			2.5	921
	15-18	.1	11.8		.1		11.9	1.2	2.2			3.4	913
	18-21	.3	13.5				13.5	4.2	4.7			8.9	919
	21-23		10.6				10.6	8.0	4.8			12.8	917
TOTALS		.1	11.9		.0		11.9	5.0	2.3			7.3	7338

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

44402 MISAWA AB JP 70-79 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
NOV	0-02	.1	15.1		7.1		21.2	2.4	1.8			4.2	668
	03-05		15.6		9.8		25.3	2.9	1.0			4.0	685
	06-08	.3	13.8		8.9		21.6	1.8	.3			2.1	684
	09-11	.3	11.9		8.8		19.7	.9	1.9			2.8	684
	12-14	.1	13.9		9.2		22.7	.2	.9			1.1	694
	15-17		15.5		5.5		23.3	.1	3.1			3.2	683
	18-20		14.2	.1	7.4	.1	21.2	1.5	10.1			11.6	668
	21-23		15.3		7.5	.1	22.1	2.7	6.6			9.3	682
TOTALS		.1	14.5	.0	8.4	.0	22.1	1.6	3.2			4.5	7088

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

444 2 MISANA AB JP 69-78 DEC
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
DEC	00-02		9.3		28.6	.1	36.1	.5		.1		.7	916
	03-05		8.1		32.1		38.1	.4				.4	913
	06-08		7.2		30.5		36.4	.1				.1	921
	09-11		6.8	.1	27.5		34.0	.3	.2	.1		.7	917
	12-14		6.2		29.2		34.3	.2		.2		.4	919
	15-17		7.7		24.9		31.9	.4	.3			.8	919
	18-20		7.4		22.8		29.7	1.0	.5			1.5	924
	21-23		8.3		24.6		31.2	.7	.1			.8	916
TOTALS			7.6	.0	27.5	.0	34.0	.5	.1	.1		.7	7345

GLOBAL CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

444 2 MISAWA AB JP 69-79 ALL
 STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER
 CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (LST.)	THUNDER- STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	ALL		5.3		35.1		39.3	.4	.4	.1		.9	7270
FEB			4.4		34.0	.0	37.3	.7	.7	.1		1.4	6627
MAR		.1	6.4		23.1	.0	28.2	2.3	1.4	.0		3.7	7244
APR		.0	12.6		2.2		14.1	7.8	2.0		.6	10.4	6917
MAY		.2	14.2		.0		14.2	10.2	1.8		.2	12.1	7281
JUN		.3	19.2				19.2	25.6	2.0			27.6	6917
JUL		.5	14.9			.0	14.9	27.0	6.0		.5	33.1	7226
AUG		.6	14.3				14.3	17.8	3.1			20.9	7306
SEP		.3	17.2				17.2	6.0	1.5			7.5	7572
OCT		.1	11.9		.0		11.9	5.0	2.3			7.3	7338
NOV		.1	14.5	.0	8.4	.0	22.1	1.6	3.2			4.8	7088
DEC			7.6	.0	27.5	.0	34.0	.5	.1	.1		.7	7345
TOTALS		.2	11.9	.0	10.9	.0	22.2	8.7	2.0	.0	.1	10.9	85624

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH COND OR VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WMAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

WEATHER CONDITIONS
ATMOSPHERIC PHENOMENA

44 2 MISA A AB JP

45-70

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA
FROM DAILY OBSERVATIONS

MONTH	HOURS (LST)	THUNDER-STORMS	RAIN AND OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND, OR HAZE	BLOWING SNOW	DUST AND OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS
JAN	DAILY	.4	19.9	.1	86.8	.1	91.9	12.1	7.8	22.4		37.0	744
FEB			21.4	.3	83.4	.3	87.6	12.6	9.9	16.4		35.0	676
MAR			31.0	.3	56.1	.5	73.9	20.5	15.2	3.1	.1	35.0	742
APR		.6	49.6		12.6	.3	53.2	31.9	22.5	.6	1.5	43.3	712
MAY		2.7	49.6		.4	.1	46.8	48.0	19.5		2.3	56.0	744
JUN		4.2	58.9			.1	56.2	73.5	23.7			74.9	716
JUL		5.6	61.7			.1	60.6	79.7	35.9			83.6	744
AUG		5.8	59.7				56.7	69.2	30.5		.3	73.6	744
SEP		1.9	60.1				60.0	47.6	16.7		.1	51.3	720
OCT		1.5	55.0		1.7	.1	53.6	24.1	12.0			23.2	744
NOV		1.1	59.2		27.3	.1	70.3	15.5	14.8	2.5		27.2	718
DEC		.1	35.9	.3	65.2	.5	82.3	12.1	9.3	8.7	.1	25.7	744
TOTALS		2.0	46.6	.1	27.7	.2	66.6	37.2	18.1	5.1	.4	47.6	8750

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00" equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0" equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0" equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 47	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
PRECIPITATION
(FROM DAILY OBSERVATIONS)

47 5022 MISAWA AB JP 48-72 1.
STATION STATION NAME YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-04	05-14	15-24	25-34	35-44	45-54	65-104	105-154	155-254	255-504	OVER 504					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	8.1	30.1	7.4	16.8	9.0	15.2	7.8	2.7	3.0					61.8	744	3.99	9.18	1.88
FEB	11.9	30.1	8.1	13.7	10.5	13.9	6.8	3.4	1.6					58.0	678	3.08	6.68	.96
MAR	25.3	31.3	6.0	13.8	6.5	7.5	4.0	3.0	2.4	.1				43.4	744	3.06	8.05	.79
APR	44.9	19.7	3.9	8.3	5.3	6.7	4.9	3.9	2.2					35.4	712	2.92	7.13	1.09
MAY	48.9	17.5	3.5	7.3	4.6	7.3	4.8	4.0	2.0	.1				33.6	744	3.06	10.36	.85
JUN	39.9	21.0	2.8	7.1	5.7	9.0	5.9	4.8	3.4	.4				39.1	714	4.30	10.11	1.37
JUL	35.9	21.9	4.6	7.5	6.2	7.9	6.7	5.4	3.4	.4				42.1	743	4.58	8.31	1.4
AUG	39.2	22.3	3.0	8.7	4.4	6.7	6.1	5.2	3.9	.4				38.5	743	4.09	16.04	.27
SEP	37.9	16.9	3.1	8.6	5.6	7.9	8.1	5.4	5.7	.8				45.1	720	6.18	17.28	1.57
OCT	42.7	20.8	3.6	7.5	5.6	7.7	4.2	4.3	2.8	.7				36.4	744	4.19	10.04	.49
NOV	26.8	28.1	5.6	11.8	7.9	9.4	5.0	3.8	1.5	.1				45.1	720	3.03	8.17	.69
DEC	14.2	33.3	6.5	14.0	11.2	10.2	6.5	2.3	1.9					52.4	744	2.90	6.62	1.11
ANNUAL	31.3	24.4	4.8	10.4	6.9	9.1	5.9	4.0	2.8	.2				44.2	8750	5.38		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES PRECIPITATION

(FROM DAILY OBSERVATIONS)

44402 MISA WA AB JP

48-72

STATION

STATION NAME

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48				* 1.38	.29	2.80	1.39	1.72	3.69	.30	.96	1.74	
49	1.07	2.23	.45	1.70	.56	.68	2.78	2.43	1.69	3.33	1.76	.63	3.33
50	.33	1.01	1.13	.99	.58*	.78	1.20	.26	1.44	1.72	1.44	1.11	1.72
51	.50	1.96	.84	2.02	1.18*	1.09	2.52	.22	1.20	3.76	3.59	.88	3.76
52	1.48	.65	4.31	.59	.31	.78	1.52	1.26	.87	1.00	.42	1.13	4.31
53	1.68	.23	1.28	1.13	.76	2.31	.66	.97	1.89	.12	1.02	1.03	2.31
54	.66	.31	.65	2.19	.67	2.14	.41	.94	1.92	2.35	.55	1.27	2.35
55	1.62	.95	.41	.63	.13	3.06	.99	1.76	1.54	2.44	.76	.84	3.06
56	.38	1.10	1.18	1.29	.36	1.38	.63	1.16	1.17	.91	2.10	1.03	2.10
57	1.02	.94	.77	.54	1.47	.43	3.59	.62	1.48	1.30	.26	1.08	3.59
58	1.58	1.85	1.26	1.12	.84	1.28	2.47	.92	4.37	2.18	1.29	1.81	4.37
59	.40	.80	1.55	.65	.57	1.50	1.09	1.46	2.29	1.03	1.55	.54	2.29
60	2.26	.90	1.63	.74	.94	.76	1.15	1.42	1.64	2.62	.80	1.58	2.62
61	.95	1.30	.17	1.46	.34	1.46	1.00	.60	1.21	1.95	.80	.66	1.95
62	1.62	.34	1.61	.55	.97	1.03	.40	1.01	2.09	1.70	.47	.19	2.09
63	1.45	.69	1.24	.85	1.19	1.08	2.38	1.63	.58	1.52	1.09	.75	2.38
64	1.35	1.50	.47	1.26	2.07	.67	2.00	2.15	2.15	.86	1.99	.20	2.15
65	1.33	.46	2.04	.45	1.92	.56	1.56	.79	1.52	.20	1.66	1.08	2.04
66	.87	.70	1.10	1.24	.81	4.36	1.69	1.29	3.36	2.36	.37	.47	4.36
67	.74	.58	.42	.87	1.17	.68	1.00	1.06	2.99	1.90	.63	.33	2.99
68	.39	.83	.41	2.28	2.58*	1.04*	.77*	3.75	.45	3.49	.61	1.11	* 3.75
69	1.08	.52	.60	1.15	1.79	1.85	1.45	1.54	1.66	.62	.24	1.17	1.88
70	.40	.31	.67	1.25	.25	1.32	1.06	2.35	.45	.73	2.02	.52	2.35
71	.57	.35	1.70	1.33	1.31	.83	1.06	.99	2.78	2.92	.38	.55	2.92
72	2.20	2.30	1.81										
MEAN	1.076	.950	1.154	1.143	1.044	1.476	1.479	1.241	1.851	1.721	1.115	.900	2.772
S D	.576	.613	.853	.523	.657	.989	.810	.592	.998	1.052	.791	.441	.823
TOTAL OBS	744	678	744	712	744	714	743	743	720	744	720	744	8750

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-3 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY PRECIPITATION

FROM DAILY OBSERVATIONS

444 2 MISAWA AB JP

48-72

STATION

STATION NAME

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48			*	2.56	1.09	9.67	2.55	5.27	10.33	.72	3.61	2.92	
49	2.92	5.64	1.70	5.25	1.39	4.14	7.99	3.52	3.55	5.78	4.62	2.68	49.18
50	2.33	4.10	1.59	3.27	1.98*	5.21	2.84	.93	6.47	4.70	4.77	4.73	*42.92
51	2.98	4.92	3.11	4.63	1.99*	2.85	6.54	.27	3.55	5.28	8.17	2.72	*47.07
52	3.91	2.27	8.05	1.09	1.01	2.12	5.28	5.50	4.44	2.11	1.05	3.37	40.20
53	6.96	1.48	6.88	1.99	3.67	5.64	3.88	4.19	6.35	.61	3.89	2.98	48.52
54	3.33	.96	2.66	4.99	1.77	10.11	1.40	2.03	7.97	5.72	1.01	4.78	46.70
55	5.96	3.01	1.23	1.89	10.36	7.28	2.14	3.94	4.65	10.04	2.34	1.70	54.54
56	2.55	2.53	4.25	2.13	.85	7.45	2.90	3.67	1.57	2.27	4.06	2.96	37.19
57	2.35	2.23	3.07	1.12	4.54	1.37	6.78	2.55	4.79	3.84	.69	2.16	35.49
58	5.02	6.68	1.76	2.27	3.13	2.82	6.87	4.56	17.28	5.35	2.65	6.62	65.02
59	3.32	1.93	4.43	1.81	2.83	5.34	4.48	4.13	7.12	3.59	2.74	2.02	43.74
60	9.18	3.95	4.20	3.61	4.15	1.84	2.11	5.72	3.29	6.21	3.89	4.46	52.61
61	2.36	3.35	.79	2.97	.91	3.82	4.05	2.14	6.36	4.92	2.51	3.07	37.17
62	3.14	2.94	2.91	1.63	2.23	2.13	1.46	5.22	7.41	4.04	2.40	1.20	36.71
63	5.89	2.18	3.02	2.32	3.21	3.87	6.77	6.19	1.97	3.66	1.84	2.09	43.01
64	4.17	5.82	1.34	7.13	3.45	2.37	5.93	7.69	7.20	1.80	7.07	1.11	55.08
65	4.68	2.52	3.00	1.92	3.12	1.89	7.81	2.07	7.26	.49	4.72	2.87	42.35
66	3.11	2.91	3.08	2.06	3.35	7.56	8.31	3.59	8.32	6.40	.92	1.87	51.48
67	4.94	1.09	1.53	1.62	2.70	3.07	3.55	5.00	14.41	3.89	2.38	1.41	44.59
68	2.53	1.42	1.07	3.84	8.23*	2.48*	2.10*	16.04	2.82	8.17	1.21	4.27	*53.18
69	2.42	2.82	1.51	4.88	3.11	2.80	4.88	5.78	2.77	2.05	1.33	3.80	38.15
70	1.86	1.75	3.87	2.70	1.05	2.89	3.44	6.27	1.89	1.57	2.92	1.97	32.20
71	3.09	2.31	3.64	2.11	3.34	3.17	3.48	3.92	7.45	7.29	1.82	1.85	43.47
72	6.72	4.99	4.76										
MEAN	3.989	3.075	3.060	2.919	3.061	4.302	4.584	4.093	6.176	4.188	3.025	2.903	44.870
S D	1.838	1.565	1.794	1.546	2.220	2.661	2.167	1.824	3.844	2.480	1.898	1.334	8.129
TOTAL OBS	744	678	744	712	744	714	743	743	720	744	720	744	8750

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAG
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOWFALL
(FROM DAILY OBSERVATIONS)

44402
STATION

MISAWA AB JP
STATION NAME

48-72
YEARS

	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOT. NO OF OBS	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	12.6	29.4	15.5	17.9	8.2	4.7	2.6	4.2	3.2	1.3	.3	.1		57.9	744	40.7	117.1	4.5
FEB	19.2	27.7	17.0	14.9	7.5	5.6	3.5	1.9	1.5	.9	.3			53.1	678	28.6	59.9	4.4
MAR	40.6	24.7	13.3	9.4	4.3	2.7	1.2	1.3	1.6	.5	.1	.1		34.7	744	20.4	57.7	1.2
APR	86.7	7.7	2.2	1.1	.8	.4	.3	.4	.3					5.6	712	3.1	11.8	.0
MAY	99.6	.4													744	TRACE	TRACE	.0
JUN	100.0														716	.0	.0	.0
JUL	100.0														744	.0	.0	.0
AUG	100.0														744	.0	.0	.0
SEP	100.0														720	.0	.0	.0
OCT	97.8	1.9	.1	.1										.3	744	TRACE	.6	.0
NOV	71.3	15.1	4.4	4.2	2.5	1.1	.6	.6	.1	.1				13.6	720	6.0	21.3	TRACE
DEC	33.2	26.5	13.0	12.9	5.8	2.6	2.4	1.7	1.6	.3				40.3	744	20.9	39.4	1.1
ANNUAL	1.7	11.1	5.5	5.0	2.4	1.4	.9	.8	.7	.3	.1	.0		17.1	8754	119.7		

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SNOWFALL

FROM DAILY OBSERVATION

4442 MISAWA AB JP
STATION STATION NAME

48-72
YEARS

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48				*	.0	.0	.0	.0	.0	.0	3.2	1.1	
49	2.5	2.0	2.6	2.5	.0	.0	.0	.0	.0	.0	.2	7.6	7.6
50	7.6	8.3	11.3	3.0	.0*	.0	.0	.0	.0	TRACE	3.1	4.2	11.3
51	5.3	19.6	8.4	7.2	.0*	.0	.0	.0	.0	.0	5.5	5.8	19.6
52	5.5	6.5	43.1	TRACE	.0	.0	.0	.0	.0	TRACE	4.0	11.3	43.1
53	16.8	2.3	11.8	1.3	.0	.0	.0	.0	.0	.0	2.5	4.2	16.8
54	5.8	1.2	5.7	TRACE	TRACE	.0	.0	.0	.0	.0	.7	9.6	9.6
55	14.9	6.3	2.0	.4	.0	.0	.0	.0	.0	TRACE	TRACE	1.5	14.9
56	5.9	11.9	6.2	TRACE	.0	.0	.0	.0	.0	TRACE	2.6	11.6	11.9
57	7.1	10.0	6.3	1.5	.0	.0	.0	.0	.0	.6	.8	1.3	10.0
58	15.1	13.7	11.0	2.1	.0	.0	.0	.0	.0	.0	1.5	5.5	15.1
59	5.4	6.0	1.1	TRACE	.0	.0	.0	.0	.0	.0	.2	10.1	10.1
60	27.2	7.9	4.1	5.1	.0	.0	.0	.0	.0	.0	2.7	7.5	27.2
61	10.9	9.8	3.1	TRACE	.0	.0	.0	.0	.0	.0	5.4	6.7	10.9
62	7.4	4.0	8.8	.4	.0	.0	.0	.0	.0	.0	4.0	2.1	8.8
63	13.8	8.9	4.8	7.1	.0	.0	.0	.0	.0	.0	.1	2.5	13.8
64	14.7	14.4	6.8	.2	.0	.0	.0	.0	.0	.3	1.1	5.2	14.7
65	6.2	18.2	19.9	3.4	.0	.0	.0	.0	.0	.0	3.6	1.8	19.9
66	6.7	5.0	7.5	TRACE	.0	.0	.0	.0	.0	TRACE	4.6	9.3	9.3
67	13.4	13.0	1.9	.3	.0	.0	.0	.0	.0	.0	2.2	7.4	13.4
68	8.1	5.6	5.5	6.2	.0	.0	.0	.0	.0	.0	1.7	9.9	9.9
69	7.8	12.2	7.0	3.5	.0	.0	.0	.0	.0	.0	11.0	6.7	12.2
70	5.3	4.8	14.1	.7	.0	.0	.0	.0	.0	TRACE	4.2	5.6	14.1
71	7.1	6.2	6.5	.2	TRACE	.0	.0	.0	.0	.0	4.6	8.9	7.1
72	8.7	3.2	3.9										
MEAN	9.54	8.33	8.48	1.95	TRACE	.00	.00	.00	.00	.04	2.90	6.06	14.30
S D	5.437	4.952	8.545	2.394	.000	.000	.000	.000	.000	.134	2.437	3.249	8.022
TOTAL OBS.	744	678	744	712	744	716	744	744	720	744	720	744	8754

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

XXXXXXXXXXXXXXXXXXXX
EXTREME VALUES
XXXXXXXXXXXXXXXXXXXX
MONTHLY SNOWFALL

FROM DAILY OBSERVATIONS

44402 MISAWA AB JP

48-72

STATION

STATION NAME

YEARS

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
48				*	.3	.0	.0	.0	.0	.0	3.9	1.1	
49	4.5	4.4	11.2	5.7	.0	.0	.0	.0	.0	.0	.2	18.8	44.8
50	27.8	25.9	15.1	3.0	.3*	.0	.0	.0	.0	TRACE	8.7	24.0	*104.5
51	29.8	46.9	23.6	9.2	.0*	.0	.0	.0	.0	.0	12.1	20.4	*142.0
52	28.5	23.2	57.7	TRACE	.0	.0	.0	.0	.0	TRACE	4.0	33.1	146.5
53	65.2	14.6	25.7	1.4	.0	.0	.0	.0	.0	.0	9.0	14.1	130.0
54	26.5	4.7	23.3	TRACE	TRACE	.0	.0	.0	.0	.0	1.2	39.4	95.1
55	58.6	27.6	4.0	.4	.0	.0	.0	.0	.0	TRACE	TRACE	3.8	94.4
56	36.9	34.2	21.2	TRACE	.0	.0	.0	.0	.0	TRACE	7.7	37.2	137.2
57	33.3	36.0	34.4	1.9	.0	.0	.0	.0	.0	.6	1.4	3.5	111.1
58	54.5	44.8	17.1	3.7	.0	.0	.0	.0	.0	.0	1.5	19.6	141.2
59	35.4	11.4	1.2	TRACE	.0	.0	.0	.0	.0	.0	.2	23.4	71.6
60	117.1	36.3	18.9	10.1	.0	.0	.0	.0	.0	.0	4.8	28.1	215.3
61	35.6	35.1	11.2	TRACE	.0	.0	.0	.0	.0	.0	7.9	28.2	118.0
62	16.1	34.1	21.0	.5	.0	.0	.0	.0	.0	.0	8.5	7.2	87.4
63	68.2	28.1	7.6	7.5	.0	.0	.0	.0	.0	.0	.3	7.8	119.5
64	39.7	59.9	15.7	.2	.0	.0	.0	.0	.0	.3	2.0	20.1	137.9
65	19.1	50.1	35.7	10.0	.0	.0	.0	.0	.0	.0	16.9	8.8	140.6
66	20.5	15.6	12.9	TRACE	.0	.0	.0	.0	.0	TRACE	6.2	25.4	80.6
67	95.2	24.4	7.9	.4	.0	.0	.0	.0	.0	.0	7.3	24.8	160.0
68	46.3	18.7	13.3	11.8	.0	.0	.0	.0	.0	.0	3.6	32.1	126.3
69	41.3	39.1	20.4	3.7	.0	.0	.0	.0	.0	.0	21.3	34.8	160.6
70	27.3	30.6	53.9	.7	.0	.0	.0	.0	.0	TRACE	7.4	18.5	138.4
71	31.2	22.8	21.5	.2	TRACE	.0	.0	.0	.0	.0	6.9	28.1	110.7
72	18.2	18.1	14.8										
MEAN	40.72	28.61	20.39	3.06	TRACE	.00	.00	.00	.00	.04	5.96	20.93	122.25
S D	25.570	13.966	13.706	3.944	.000	.000	.000	.000	.000	.134	5.338	11.103	36.710
TOTAL OBS	744	678	744	712	744	716	744	744	720	744	720	744	8754

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 04 0-80-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
SNOW DEPTH
(FROM DAILY OBSERVATIONS)

4447.2 STATION MISAWA AB JP 48-72 YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	01	02-03	04-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	01-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	12.1	7.3	6.5	6.6	6.3	19.2	23.8	14.1	3.0	.8				80.6	744			
FEB	13.6	7.8	8.3	6.0	6.6	16.1	23.3	16.7	1.6					78.6	678			
MAR	50.9	14.4	5.8	4.8	4.3	8.3	8.3	2.6	.3	.3				34.7	744			
APR	97.5	1.1	.6	.3	.1	.6								1.5	711			
MAY	100.0														744			
JUN	100.0														717			
JUL	100.0														744			
AUG	100.0														744			
SEP	100.0														720			
OCT	100.0														744			
NOV	90.8	3.5	2.1	1.3	1.1	.8	.4							5.7	718			
DEC	52.8	9.5	8.9	7.4	3.8	10.7	6.2	.7						37.8	739			
ANNUAL	76.5	3.6	2.7	2.2	1.8	4.6	5.2	2.8	.4	.1				19.9	8747			

2

SNOW DEPTH

4442 MISAWA AB JP
STATION STATION NAME

48-72

YEARS

DAILY SNOW DEPTH IN INCHES

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Means and standard deviations do not include measurements from incomplete months.

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

EXTREME VALUES SURFACE WINDS

FROM DAILY OBSERVATIONS

44402 MISAWA AB JP
STATION NAME

49-72
YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
49													
50													
51													
52													
53													
54													
55													
56													
57													
58													
59													
60													
61	W 48W	38WNW	39W	41SW	72SSW	33SW	30WSW	22W	59ENE	47W	37W	33	SW 72
62	E 59SW	51W	42WSW	36WSW	43WNW	30WSW	32WSW	40NW	31NW	29WNW	38WNW	37	E 59
63	NNW 40WNW	35WNW	44WSW	44WNW	47SW	36ESE	27SE	25NW	33WNW	32W	37WNW	40	WNW 47
64	WNW 34ESE	39WNW	44W	40SSE	32SSE	32WSW	29SE	30W	48W	28W	40W	40	W 46
65	ENE 46W	40W	34W	43WSW	48W	34SSW	35WSW	23W	38W	29W	44W	35	WSW 48
66	E 49WNW	40W	47SE	37W	52E	31SW	41W	28WNW	43ESE	49W	40WNW	36	W 52
67	WNW 41WNW	40WNW	42W	51WSW	30WNW	33SW	39ENE	23ENE	46NE	51WNW	48W	37	W 51
68	W 40WSW	33W	39WNW	38N	42SE	2814/	2813/	3612/	28 8/	4813/	3629/	32	8/ 48
69	29/	3027/	3726/	4026/	3529/	40 7/	3025/	29 6/	4430/	3929/	3628/	3628/	38 6/ 44
70	11/	5228/	4326/	4124/	4224/	38 3/	22 8/	2622/	3620/	2628/	3425/	4029/	45 11/ 52
71	27/	3628/	4328/	3429/	3724/	4024/	3729/	35 8/	2911/	32 3/	3828/	3728/	52 28/ 52
72	29/	4528/	3929/	32									
MEAN	43.5	39.9	39.8	40.4	44.0	31.2	31.6	31.2	38.0	38.9	39.4	39.6	53.1
S.D.	8.153	4.763	4.549	4.610	11.340	4.237	4.870	7.040	10.954	8.384	3.722	5.573	8.823
TOTAL OBS.	371	330	368	325	339	346	368	366	349	362	349	367	4240

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-005 (OIA)

5 (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

FEDERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44 2 MISSAUA AB JP STATION NAME 71-79 YEARS JAN
ALL WEATHER NORTH
1000-020
HOURLY (L S T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.4	.1	.1								1.3	5.4
NNE		.3		.6	.7							1.1	12.5
NE		.1		.6								.7	13.5
ENE	.1			.8								1.2	11.1
E		.2	.4	.2								.9	9.2
ESE	.1	.2	.1									.4	5.7
SE	.4	.3		.1								.9	7.3
SSE	.1	1.1										1.2	8.6
S	1.2	2.3	.6	.1								4.5	4.5
SSW	1.9	3.7	1.1	.1								3.8	4.9
SW	2.5	5.8	3.3	.1	.1							11.8	5.5
WSW	3.3	5.7	5.6	.6	.2							19.4	5.1
W	3.6	7.5	5.2	4.7	.7	.2						24.9	7.9
WNW	1.7	2.7	4.2	3.0	1.4	.2						13.3	9.5
NW	.7	.8	1.7	1.1								4.2	7.9
NNW	.2	.6	1.6	1.1								3.5	9.7
VARBL	2.5	.2										2.7	2.2
CALM												3.5	
	19.0	34.0	27.0	13.2	2.7	.4						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 897

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 44 MISAWA AB JP STATION NAME 7-79 YEARS JAN
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.6	.6		.4	.3							.6	0.1
NNE	.1	.1	.1	.3								.1	1.0
NE		.3										.2	4.3
ENE	.1			.7	.3							.1	13.8
E	.1	.1	.2	.4	.3							.2	11.1
ESE			.2	.3	.1	.1						.6	10.6
SE	.3	.2										.7	5.2
SSE	.4	.7	.2									.3	5.1
S	1.2	2.7	1.6									.1	4.9
SSW	1.2	4.2	1.1									.7	4.9
SW	2.4	6.3	2.9									1.7	5.0
WSW	2.6	6.2	4.8	1.0								14.5	5.1
W	2.9	7.5	11.2	6.4	1.2	.2						20.5	5.5
WNW	1.7	2.7	3.7	2.8	.6	.3						10.3	9.6
NW	.7	1.3	1.7	.4								.1	5.9
NNW		.4	.9	.4	.1							.9	9.1
VARBL	3.2	.4										3.7	2.3
CALM												3.7	
	17.6	33.3	28.5	13.3	2.9	.7						101.0	0.2

TOTAL NUMBER OF OBSERVATIONS 901

U.S. AIR FORCE
CLIMATE DIVISION
ATMOSPHERIC SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISAWA AB JP YEARS 71-79 JAN 1961-1979
MONTH NOV
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.1		.6	.1							1.1	9.2
NNE	.7	.1		.3	.1							.5	1.1
NE	.1			.1	.1							.3	1.7
ENE	.1		.1	.3								.5	1.3
E			.2	.6								1.3	13.4
ESE		.1	.1	.4		.1	.1					.9	15.7
SE	.4	.3			.1							.9	5.6
SSE	.1	.4										.5	3.8
S	2.7	1.5	1.2	.1								5.1	1.9
SSW	1.7	4.7	1.9	.2								8.5	5.3
SW	3.2	5.3	3.9	.1								13.4	5.1
WSW	1.9	5.7	4.6	1.2								13.4	5.5
W	3.4	5.5	12.6	6.5	1.7	.2						30.4	5.3
WNW	.5	2.5	3.3	2.6	.9	.2	.1					11.2	1.1
NW	.2	1.4	1.7	.6								3.1	5.7
NNW	.1	.3	1.1	.6		.1						2.2	9.2
VARM	2.6	.2										3.2	2.2
CALM												2.8	
	17.1	34.5	23.2	14.3	2.3	.7	.2					110.0	7.7

TOTAL NUMBER OF OBSERVATIONS 909

U.S. AIR FORCE CLIMATOLOGY BRANCH
 USAFETAC
 AT - WEATHER SE-VIOL/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION ISABELA A. JP YEARS 71-79 MONTHS JAN
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.4	.7	.6								1.9	7.1
NNE			.1									.1	7.7
NE	.1	.1		.2	.7							.7	11.2
ENE		.1		.2								.3	10.7
E	.2		.1	.2	.7	.7	.1	.1				1.2	16.7
ESE	.5	.1	.2		.1			.1				1.7	1.7
SE	.7	.3	.3									1.2	4.6
SSE	.1	.5		.1								.8	1.9
S	.9	2.4	1.5	.8								5.5	5.5
SSW	1.2	1.6	1.5	.3								4.9	6.5
SW	.7	5.2	1.9	.2								8.7	5.6
WSW	1.2	4.4	4.3	.8	.2							11.2	5.9
W	2.7	6.7	8.7	11.3	7.2	.1						31.3	12.4
WNW	.7	2.4	4.3	7.7	1.5	.3						16.9	11.2
NW	.3	1.5	2.4	1.8	.1							5.1	3.9
NNW	.2	.5	1.7	1.7	.1							3.5	10.3
VARBL	1.1	.3										1.6	2.8
CALM												2.9	
	15.7	7.4	26.5	26.2	5.4	.7	.1	.2				111.2	5.6

TOTAL NUMBER OF OBSERVATIONS 584

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 842 PISAWA AB JP STATION NAME 71-79 YEARS JAN
MONTH 1960-1961
HOURS (L & T)
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.9	1.8	1.7								4.2	7.2
NNE	.2	.2	.3									.6	5.5
NE	.2	.3	.3	.4								1.3	7.9
ENE	.1	.4		.4								1.0	5.9
E	.2	.7	.2	.1		.3						1.0	11.1
ESE	.2	.1	.6	.3			.1	.1				1.5	11.7
SE		.3	.3	.2	.1			.1				1.1	12.1
SSE	.4	.3	.2									.2	4.4
S	.8	1.1	.6	.3								2.8	5.7
SSW	.2	.4	.9	.2								1.8	7.3
SW	.6	.8	1.2	.2								2.8	6.7
WSW	.8	.8	1.1	1.3	.3							4.4	5.8
W	.6	2.5	5.7	13.7	4.4	.6						27.6	12.6
WNW	.6	2.6	7.3	11.8	3.7	.8	.1					26.5	12.3
NW	.4	2.2	4.2	4.0	.9	.1						11.9	11.7
NNW	.4	.9	1.8	1.3	.1							4.6	8.8
VARBL	2.5	.7										3.1	2.4
CALM												1.1	
	8.6	16.4	26.3	35.6	9.5	2.0	.2	.2				119.2	11.4

TOTAL NUMBER OF OBSERVATIONS 891

ROYAL CLIMATOLOGY BRANCH
USAFETAC
41 WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4442 MISA, AAS JP STATION NAME 7-79 YEARS JAN MONTH
CLASS ALL WEATHER 1510-1700 HOURS (L & T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	1.3	.4	.4								3.4	5.7
NNE	.9	.3	.3	.1								1.7	3.3
NE	.1	.6	.3									1.0	3.3
ENE	.1		.1	.3								.6	11.7
E	1.1	1.1	.4	.2	.2	.3						3.4	7.8
ESE	.3	.9	.2									1.7	3.2
SE	.8	.6	.4	.1								1.9	4.2
SSE	.6	.8	.2									1.5	4.1
S	1.1	.9	.3									2.3	4.2
SSW	.2	.5	.7									1.4	5.1
SW	.2	1.2	.7	.3								2.5	6.9
WSW	.1	1.3	2.7	1.7								4.7	9.2
W	1.7	5.7	9.5	11.4	1.7	.2						33.1	13.8
WNW	1.2	4.7	6.2	8.1	2.1	1.2	.2					22.7	11.2
NW	1.2	2.3	3.6	2.8	.7	.1						10.5	9.2
NNW	.6	2.3	.8	.3								4.6	6.6
VARBL	1.3	.3										1.7	2.3
CALM												4.2	
	12.4	23.5	27.3	25.0	4.6	1.9	.2					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 526

SIGNAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 1447 MISAKA AB JP STATION NAME 7-79 YEARS JAN
CLASS ALL WEATHER MONTH 13-1-1980
CONDITION HOURLY (LST)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3	.4	.2								1.4	5.2
NNE	.2	.1		.1								.4	5.3
NE			.7	.2	.1							.6	12.1
ENE	.1	.2		.2	.4	.1						1.1	14.3
E	.1			.4	.3	.3						1.1	15.1
ESE		.2	.2	.1								.3	7.4
SE	.4	.3	.4	.1								1.3	5.8
SSE	1.1	.3	.1									1.5	5.4
S	1.3	2.3	.7									4.7	7.2
SSW	1.2	2.3	1.5	.1		.1						5.7	5.8
SW	1.7	4.4	1.9	.2								6.2	5.4
WSW	1.1	5.1	3.9	.8	.2							10.9	6.8
W	3.3	9.6	11.7	6.1	1.7	.1						32.5	6.3
WNW	1.7	3.8	4.3	4.5	.8	.2						15.2	7.1
NW	1.1	1.7	1.9	1.1	.3							6.1	7.7
NNW	.2	.9	.7	.6								2.3	7.7
VARBL	1.2	.4										2.3	2.6
CALM												4.3	
	13.9	32.5	27.9	14.8	3.9	.9						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 736

JOINT CLIMATOLOGY BRANCH
 AFMTC
 WEATHER SE VICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PISAAA AB JP STATION NAME 7 - 79 YEARS JAN
ALL WEATHER MONTH 21 3-24
 CLASS NOVES (L S T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.6	.4	.1							1.7	5.7
NNE	.1	.2	.1		.1							.6	7.4
NE	.1				.1							.2	10.7
ENE	.1	.2	.3	.8	.3							1.6	12.3
E	.2		.3	.3	.2							1.1	11.5
ESE		.1	.1	.1								.3	8.7
SE	.1	.4										.6	4.8
SSE	.1	.3	.1									.6	4.4
S	1.7	2.8	1.1	.1								5.8	4.7
SSW	1.9	4.2	.6	.4								7.7	4.9
SW	2.1	4.8	2.5	.6								10.0	5.4
WSW	1.8	6.5	4.6	1.2		.2						14.3	6.8
W	3.2	9.6	10.3	5.3	.7	.2						28.9	7.9
WNW	1.9	2.7	3.8	3.5	1.7	.1						13.0	9.2
NW	.6	1.7	.8	.9	.2							4.1	7.6
NNW	.4	.9	1.2	1.1	.1							3.6	6.7
VARBL	1.9	.2										2.1	2.3
CALM												3.3	
	17.5	34.6	26.3	14.8	2.9	.6						100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 892

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MISAWA AB JP YEARS 75-79 MONTH JAN
 CLASS ALL WEATHER
 HOURS (L & T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.2	.5	.5	.1							2.3	7.1
NNE	.2	.2	.1	.2	.1							.8	5.1
NE	.1	.2	.1	.2	.1							.6	7.2
ENE	.1	.1	.1	.5	.1	.0						.9	11.2
E	.3	.3	.3	.4	.1	.2	.0	.0				1.4	11.1
ESE	.1	.2	.2	.2	.1	.0	.1	.0				.9	9.8
SE	.4	.4	.2	.1	.			.0				1.1	8.6
SSE	.4	.6	.1	.0								1.1	4.4
S	1.4	2.0	.9	.2								4.6	5.1
SSW	1.2	3.1	1.2	.2		.0						5.7	5.3
SW	1.7	4.6	2.3	.2	.1							8.8	5.4
WSW	1.6	4.4	3.9	1.1	.1	.0						11.1	6.7
W	2.7	7.1	9.4	6.2	1.8	.3						29.4	9.2
WNW	1.1	2.8	4.6	5.5	1.5	.4	.1					10.1	10.6
NW	.6	1.6	2.1	1.6	.3	.0						6.3	6.6
NNW	.3	.8	1.3	.9	.1	.0						3.3	5.9
VARBL	2.2	.4										2.5	2.4
CALM												3.3	
	14.3	29.5	27.3	19.7	4.3	1.0	.1	.1				110.1	7.8

TOTAL NUMBER OF OBSERVATIONS 7186

U.S. AIR FORCE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 115AAA AL JP YEARS 77-79 MONTH ALL
CLASS ALL WEATHER
CONDITION
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9	.9	.1								2.5	5.9
NNE	.4	.2		.1								.7	2.2
NE		.1	.2	.4	.1							.9	1.3
ENE	.2		.5	.2		.4						1.3	1.1
E	.5			.9	.5	.1						2.0	1.5
ESE	.1	.5	.5	.4	.4							1.9	1.3
SE	.5	1.2	.2		.1							2.1	3.8
SSE	.4	.5	.2									1.1	1.0
S	3.5	3.5	1.1	.1								3.3	4.3
SSW	1.8	4.6	1.7	.1								7.6	4.9
SW	2.2	6.7	2.7	.5								11.3	5.5
WSW	1.8	4.0	3.8	2.1	.4							12.1	7.4
W	3.7	6.1	3.2	3.0	1.2	.6						27.2	9.7
WNW	1.3	2.1	2.2	2.1	.9	.1						3.7	9.1
NW	.5	.9	.4	.9	.2							2.9	5.5
NNW	.5	.5	.7	.2								2.0	2.7
VARBL	2.9	.4										3.3	2.1
CALM												4.4	
	23.5	31.5	22.6	16.1	3.8	1.2						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MISAWA AB JP STATION NAME 77-79 YEARS 1977-1979 MONTH ALL
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	.5									1.3	3.6
NNE	.1		.2									.4	1.1
NE	.1	.4	.4									.8	3.9
ENE		.4	.1	.8		.2						1.6	13.2
E	.1			1.1	.4	.5						2.1	15.2
ESE		.5		.4	.1	.1						1.1	12.1
SE	.4	.7	.2	.1	.1							1.6	6.1
SSE	.3	1.1	.1									1.2	3.7
S	1.3	2.1	.5	.1								4.2	4.4
SSW	2.4	5.6	1.9									9.9	4.7
SW	2.3	7.6	2.3	.7	.1							13.6	5.7
WSW	3.2	5.7	3.7	1.3	.5							13.7	6.3
W	3.4	5.5	7.9	8.7	1.7	.1						26.5	9.0
WNW	1.5	1.3	1.6	2.2	1.3	.2						6.1	10.2
NW	1.1	.6	.7	.4	.5							3.3	7.5
NNW	.6	.6	1.2	.5								2.9	7.5
VARBL	2.2	.2										2.4	4.1
CALM												4.6	
	19.8	32.7	21.3	15.6	4.7	1.2						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 825

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WISAKA AB JP STATION NAME WISAKA AB JP YEARS 71-79 FEE 000-00
 CLASS ALL WEATHER HOURS (L.S.T.) 0000-2359
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.2	.2									.2	4.2
NNE		.2	.1									.2	4.3
NE		.1	.2									.4	7.3
ENE	.1		.1	.6		.1						1.5	12.1
E	.2	.1	.5	1.1		1.7						2.5	14.5
ESE	.2	.1		.6	.1							1.1	10.9
SE		.1	.4	.5								2.0	9.9
SSE	.7	.7	.6									2.0	4.5
S	1.3	2.6	1.8	.1								5.9	5.2
SSW	2.9	5.2	1.4									9.5	4.6
SW	.4	3.2	3.4	.7								13.7	5.8
WSW	3.3	5.9	2.9	2.0								13.7	6.2
W	4.9	6.7	4.6	8.7	2.5	.4						27.7	9.2
WNW	1.6	1.7	3.7	1.9	.5							9.7	8.5
NW	.6	1.6	1.6	.4	.1							4.2	7.1
NNW	.6	.4	.7	.2								1.9	6.5
VARBL	1.2	.4										1.6	6.4
CALM												3.9	
	19.1	34.1	21.5	16.7	3.2	1.4						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 831

LOCAL CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 442 STATION NAME MISAWA AB JP YEARS 70-79 MONTH FEB
CLASS ALL WEATHER HOURS (L.S.T.) 9:00-11:00
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	.4	.4	.2								1.0	3.4
NNE		.1										.1	4.0
NE	.4		.2	.1		.1						.9	6.9
ENE	.1		.1	.2		.1						.5	12.7
E	.5	.1	.7	1.3	.1	.9						3.7	13.6
ESE	.1	.2	.4	.9	.1							2.1	12.2
SE	.1	1.1	1.0	.4								2.6	7.6
SSE	.1	.9	.6									1.6	9.1
S	1.0	1.2	1.2	.1								4.2	5.7
SSW	.9	2.3	2.1	.2								6.5	6.3
SW	1.0	2.3	2.2	.9	.7							6.6	7.5
WSW	1.3	2.6	3.6	2.6	.4	.1						10.6	8.3
W	2.2	4.8	5.4	1.8	3.9	.9						23.0	11.4
WNW	2.3	2.6	3.7	6.5	1.1	.7						16.9	15.4
NW	.7	1.7	1.6	1.7	.7	.2						6.2	10.4
NNW	.2	.9	1.7	.5								3.3	7.8
VARBL	1.6	.4										2.2	2.3
CALM												2.5	
	13.9	22.9	25.2	26.5	7.0	3.1						100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 815

U.S. AIR FORCE CLIMATOLOGY BRANCH
AFETAC
METEOROLOGICAL SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 042 WISAWA AFB JP STATION NAME 77-79 YEARS SEP
ALL WEATHER MONTH 1200-1400
 CLASS MOVES (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.0	1.8									1.5	5.0
NNE	.8	.5	.2									1.1	5.1
NE	.1	.5	.5	.2	.1	.1						1.7	9.2
ENE	.2	.7	.6	.2	.1							2.0	7.8
E	.6	1.3	2.7	1.7	.5	.4						7.2	9.3
ESE	.2	.5	1.7	1.6	.4							4.4	11.3
SE	.2	.7	1.5	1.5	.4							4.7	9.5
SSE	.1	.5	.5	.1								1.2	6.4
S	.2	.6	.5	.1								1.5	6.7
SSW		1.7	1.1	.2		.1						2.4	8.5
SW	.1	.6	.7	1.1	.4							2.9	10.8
WSW	.1	.5	1.2	2.2	.1	.1						4.3	11.7
W	.4	.9	2.1	11.2	5.6	2.3	.6					22.0	15.6
WNW	.6	1.5	2.4	11.1	4.4	1.1	.1					21.4	13.7
NW	.6	1.2	3.2	3.4	1.7	.2						9.7	12.9
NNW	.5	1.8	2.5	.5	.1							4.9	7.0
VARBL	2.5	.6										3.2	2.7
CALM												.9	
	7.2	15.7	23.1	34.3	13.1	4.4	.7					115.6	11.3

TOTAL NUMBER OF OBSERVATIONS 517

USAF CLIMATE BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISLA 48 UP STATION NAME 71-79 YEARS FEA
ALL WEATHER NORTH 15.0-17.0
 CLASS NCARS (L & T)
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.9	.7									3.3	5.3
NNE	.7	.7	.6	.1								2.2	5.4
NE	.4	.8	.8	.5	.1							2.7	5.1
ENE	.4	.1	.4	.4		.1						2.5	7.5
E	.4	1.9	1.8	1.7	1.2	.1						8.4	1.0
ESE	.5	1.3	1.8	2.1								5.7	9.2
SE	.2	.6	.6	1.1								2.3	6.9
SSE	.1	.6	1.7	.7								2.4	6.2
S	.1	.7	1.3	.1								2.5	7.4
SSW	.1	.6	1.3	.7								2.6	9.0
SW		.7	1.3	.6	.1							2.8	6.9
WSW	.2	1.1	1.1	1.5	.2	.1	.1					4.4	10.4
W	1.1	1.7	3.3	13.5	3.2	1.7	.4					24.6	13.5
WNW	.6	1.2	5.3	12.0	3.3	.6	.1					21.3	12.4
NW	.6	1.8	2.9	2.2	.4	.1						7.9	9.2
NNW	.6	1.6	1.3	.5								4.2	8.5
VARBL	.5	.1										.6	2.6
CALM												1.5	
	7.3	16.7	26.2	34.8	9.5	2.7	.6					100.0	1.4

TOTAL NUMBER OF OBSERVATIONS 324

AL PAC CLIMATELOGY RANCH
 FLTAO
 AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

44 C STATION NAME MISAWA AB JP YEARS 77-79
 CLASS ALL WEATHER
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.4	.4	.1								1.7	5.0
NNE	.5	.1		.1								.8	4.4
NE	.1	.2	.4	.2		.4						1.2	12.0
ENE	.1	.1	.1	.7	.1							.2	11.2
E	.7	.7	.4	.5	.5	.2						3.1	1.0
ESE	.2	.5	1.2	.1	.2							3.5	7.8
SE	.6	.2	.7	.6								2.4	7.7
SSE	.5	1.2	.8	.1								3.5	3.0
S	1.7	1.3	1.7	.2								6.6	6.7
SSW	.7	1.2	1.5	.1								3.5	5.0
SW	1.2	1.5	1.5	.7	.2							5.2	7.2
WSW	1.8	2.5	1.8	1.5								7.6	6.5
W	3.7	7.3	17.2	5.3	2.2	.4						11.2	9.2
WNW	1.5	3.7	5.2	3.1	.5	.7						13.6	5.5
NW	1.1	2.3	2.3	.6	.2							5.5	7.1
NNW	.8	1.1	1.7	.1								3.9	5.7
VARBL	1.7	.5										2.1	2.3
CALM												5.5	
	17.7	24.2	29.3	18.2	4.1	1.2						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 326

U.S. AIR FORCE
 U.S. AIR FORCE
 U.S. AIR FORCE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION: MISAWA AB JF YEARS: 7-79 MONTH: 7-79

CLASS: ALL WEATHER

CONDITION:

NOVEMBER (U.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.4	.2	.3	.2								1.3	0.3
NNE	.1	.4		.1	.1							.7	0.3
NE		.2	.6		.1							.2	0.3
ENE	.2	.2	.1	.2	.2	.1						.2	1.9
E	.2	.2	1.1	1.7	.5	.1						.2	1.3
ESE	.1	.5		.4	.2							.2	1.1
SE	.2	1.3	1.2	.4								.2	7.1
SSE	.7	1.1	1.1									.9	5.3
S	.2	2.4	1.6									.5	4.7
SSW	1.2	3.5	1.8									.6	3.7
SW	2.5	2.6	2.3	.6								.3	5.1
WSW	1.2	4.2	5.2	1.5	.2							12.4	7.5
W	4.3	7.2	9.3	5.9	1.5	.2						23.5	5.4
WNW	1.2	2.4	2.6	3.0	.3							.3	8.8
NW	.7	.9	1.2	1.3	.2							.4	5.8
NNW	.4	1.0	.3	.4								.5	5.4
VARBL	1.5	.4										.3	2.5
CALM												.5	
	17.2	29.0	30.0	15.0	4.1	.5						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 324

LOCAL CLIMATOLOGY BRANCH
AFSC WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISLA AFB MD DATE 11-74 TIME 0000
 ALL WEATHERED
 CLAS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.3	.7	.1								1.2	5.6
NNE	.2	.3	.2	.1	.							.5	5.7
NE	.1	.3	.5	.2	.2	.1						1.2	7.1
ENE	.2	.3	.3	.4	.2	.1						1.4	1.6
E	.4	.5	.9	1.7	.5	.0						3.8	11.3
ESE	.2	.5	.7	.9	.2	.1						2.5	1.1
SE	.2	.3	.9	.6	.1							2.5	7.0
SSE	.2	.3	.7	.1								2.1	5.8
S	1.4	1.9	1.3	.1								4.7	5.7
SSW	1.2	3.1	1.5	.2		.						8.0	5.5
SW	1.5	3.7	2.1	.7	.1							8.1	5.3
WSW	1.5	3.3	2.8	1.8	.2	.	.					9.8	7.3
W	2.7	5.1	6.8	9.2	2.5	.8	.1					27.0	11.5
WNW	1.3	2.1	3.2	5.0	1.5	.4	.1					13.4	1.6
NW	.7	1.3	1.7	1.8	.4	.1						5.6	9.0
NNW	.5	1.1	1.2	.4	.							3.1	5.5
VARBL	1.5	.3										2.1	2.3
CALM												3.6	
	15.5	26.8	29.9	22.1	6.2	2.2	.2					172.1	5.3

TOTAL NUMBER OF OBSERVATIONS 5552

USAF CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 64 2 MISANA AB JP STATION NAME 70-79 YEARS MAC
MONTH 12-12
HOURS (L.S.T.) 12-12
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.3										.8	3.1
NNE	.2		.1									.2	0.5
NE		.1			.1							.2	12.5
ENE	.3				.1							.4	0.5
E	.4		.7	1.7	.4							2.6	11.2
ESE	.8	.8	.3	.4								2.3	5.6
SE	.6	.3	.7	.9								2.5	6.3
SSE	1.4	1.8	.4	.2								3.9	4.8
S	2.7	3.8	1.7	.3								7.8	4.7
SSW	2.6	4.3	1.1	.1								8.1	4.6
SW	2.6	5.7	2.3	.3	.1							10.4	5.4
WSW	3.7	6.1	4.7	1.3	.5							15.1	6.5
W	5.1	6.1	6.4	4.6	.8	.1						23.1	7.5
WNW	1.6	1.8	2.3	2.3	.3							6.4	6.3
NW	.6	.8	1.7	.1								3.1	6.6
NNW	.6	1.7	.3	.1								2.0	5.1
VARBL	2.7	.3										2.3	2.3
CALM												6.8	
	24.7	32.7	21.4	11.8	2.5	.1						100.0	6.0

TOTAL NUMBER OF OBSERVATIONS 997

CLIMAT CLIMATOLOGY BRANCH
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 044 NISAWA AS JP STATION NAME 77-79 YEARS MAR
 CLASS ALL WEATHER
 HOURS (L & T.) 000-2359
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.4	.3									1.7	4.6
NNE	.2		.2									.4	3.5
NE				.2	.1							.3	15.4
ENE	.1	.2	.2	.6	.2							1.3	11.4
E	.1	.3	1.2	.4	.2							2.4	9.6
ESE	.4	.6	.6	.3								1.9	7.2
SE	.1	.9	.8	.7	.1							2.6	8.7
SSE	.3	1.7	1.1	.3								3.5	6.3
S	2.6	3.6	.7									6.9	4.1
SSW	1.5	4.3	1.2	.1								7.6	4.9
SW	3.8	6.7	3.7	.4								14.1	5.3
WSW	2.5	4.6	4.4	1.5	.4							13.4	6.9
W	5.3	5.6	6.5	3.3	.7	.7	.1					21.9	7.7
WNW	1.0	1.8	2.3	1.6	.2							7.5	7.4
NW	.4	.7	1.7	.7								3.5	7.7
NNW	.8	.3	.3	.3								1.8	5.7
VARBL	2.1	.4										2.6	2.5
CALM												6.9	
	22.3	32.8	24.4	10.2	2.0	.7	.1					100.2	6.1

TOTAL NUMBER OF OBSERVATIONS 389

6783

CENTRAL CLIMATOLOGY BRANCH
JAFETAC
AIR WEATHER SERVICE/MAO

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1442 MISAWA AB JP STATION NAME 72-79 YEARS MAR MONTH 6.7-70.0 HOURS (L & T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.4	1.7	.1								1.6	5.8
NNE		.4	.1									.6	5.4
NE		.1		.1		.2						.4	16.1
ENE	.3	.6	.2	.1	.1							1.3	7.1
E	.3		.6	.2	.2							1.3	7.3
ESE	.1	.1	.7	.4	.4							2.8	11.8
SE	.1	.9	.7	.8	.2	.1						2.8	9.3
SSE	.8	1.7	.6	.2	.1							3.3	6.7
S	2.5	3.9	2.1	.3								8.8	5.7
SSW	2.4	4.4	1.9									8.7	4.8
SW	2.7	6.1	3.1	.6	.1							12.5	5.7
WSW	2.4	5.3	6.3	1.8	.4	.1						16.4	7.2
W	4.1	5.7	4.4	3.8	1.4	.2	.1					19.3	8.3
WNW	1.4	1.7	1.8	1.5	.8							7.2	8.4
NW	1.2	.8	.4	1.0	.2							3.7	7.2
NNW	1.0	1.2	.6	.1								2.9	5.0
VARBL	1.8	.4										2.2	2.1
CALM												5.3	
	21.5	33.0	24.3	11.1	4.1	.7	.1					100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 974

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

184 2 STATION MISAWA AB JP 77-79 YEARS MONTH 1000-1117 HOURS (L S T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.5	.7	.1		.1						2.9	6.5
NNE	.6	.6	.7	.2								2.1	6.7
NE		.5	.7	.1								1.4	7.3
ENE	.1	.2	.5	.2								1.0	8.2
E	.5	.6	.9	.9								2.9	8.3
ESE	.1	.2	1.7	2.3	.3	.1						4.2	11.6
SE		.9	2.1	.8	.5	.1						4.3	10.3
SSE	.6	.8	.7	.3	.1							2.5	7.2
S	.1	1.4	1.6	.8								3.9	8.2
SSW	.6	1.4	1.4	.2	.1							3.9	6.6
SW	.3	2.1	2.1	1.3	.1							5.8	8.2
WSW	.7	2.1	2.7	3.9	1.7		.1					13.5	13.4
W	1.1	1.9	4.7	8.5	2.9	.6	.2	.1				23.2	12.4
WNW	.3	2.7	3.9	7.7	1.6	.8						18.3	11.4
NW	.3	1.9	2.3	2.6	.7							7.9	9.8
NNW	.7	.6	1.1	1.1	.1							3.7	8.2
VARBL	3.3	.9										4.2	6.2
CALM												1.9	
	10.1	20.3	27.7	32.4	7.4	1.7	.3	.1				100.0	9.6

TOTAL NUMBER OF OBSERVATIONS 675

CLIMATOLOGY BRANCH
USAF TAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4042 MISAWA AB JP STATION NAME 7"-72 YEARS MAC
 CLASS ALL WEATHER MONTH 12-7-14
 CONDITION HOURLS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	2.1	1.5	.5								4.2	6.8
NNE	.3	.6	.3									1.2	5.5
NE	.2	1.1	1.1	.3								2.6	7.1
ENE	.1	.6	1.4	.3								2.4	7.5
E	.1	1.1	2.9	1.7	.1							5.7	9.2
ESE	.2	.6	2.3	3.8	.6	.3						7.8	11.7
SE	.1	.2	1.4	1.4	.2	.5						3.7	12.4
SSE	.1	.3	.3	.1	.1							1.3	8.4
S		.2	.6	.3	.1							1.2	15.2
SSW	.1	.2	.8	.7								1.8	9.4
SW	.1	.5	.9	1.6	.5							3.5	11.1
WSW	.1	.6	1.0	3.5	.7	.1						6.9	12.5
W		.3	1.8	7.5	5.3	1.7	.6					17.2	16.4
WNW	.1	.6	2.9	11.6	4.7	1.8						21.8	14.9
NW	.1	.9	4.3	3.7	.8	.1						9.9	10.9
NNW	.5	.9	2.9	1.7								6.1	8.9
VARBL	1.1	1.1										2.3	5.3
CALM												1.7	
	3.7	11.9	26.4	36.8	13.1	4.5	.6					108.0	11.9

TOTAL NUMBER OF OBSERVATIONS 685

LOCAL CLIMATOLOGY BRANCH
AF TSC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

144 2 STATION MISAKA AB JP YEARS 76-79 MAP MONTH 17-17
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	1.3	.4								3.6	5.4
NNE	.2	.8	.6	.4								2.1	6.6
NE	.1	.6	.8	.3	.1							1.9	6.5
ENE	.4	1.3	1.3	.3								3.1	5.7
E	.4	2.7	2.3	.9	.4	.3	.1					7.2	9.1
ESE	.2	1.2	3.6	2.8	.2	.1	.1					6.2	9.9
SE		.8	1.6	1.9	.1	.1						4.2	11.1
SSE		.3	.2	.2	.1							.9	6.6
S		.3	.4	.2								1.0	8.2
SSW	.1	.1	.6	.6								1.3	9.9
SW	.1	.7	2.7	1.2	.1							4.8	9.4
WSW	.1	.7	1.6	2.8	.2							5.6	11.1
W	.2	.6	3.2	10.9	4.2	1.1	.3					20.2	14.2
WNW	.1	.4	4.1	10.5	3.1	1.1	.1	.1				19.5	13.9
NW	.2	1.2	3.7	4.2	.6							10.1	13.8
NNW	.3	.6	1.6	1.4								4.1	3.9
VARBL	1.0	.4										1.4	2.8
CALM												.6	
	4.3	13.7	29.5	39.2	9.1	2.8	.7	.1				100.0	11.1

TOTAL NUMBER OF OBSERVATIONS 893

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MISAWA AB JP STATION NAME 70-79 YEARS 1970-1979 MAP 1810-2.5
MONTH 1810-2.5
HOURS (LST) 1810-2.5
ALL WEATHER
CLAS
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.1	.7									2.4	5.5
NNE	.4	.4	.1	.1								1.1	5.7
NE	.5	.3	.4	.1	.1							1.5	6.4
ENE	.1	.2	.2	.2								1.3	7.7
E	1.1	.8	.3	.1	.7	.5	.1					4.6	11.4
ESE	1.1	2.7	1.7	.9	.3							5.2	7.1
SE	.7	2.2	2.3	1.9	.1							6.2	7.4
SSE	.7	1.7	.4									2.1	4.7
S	1.2	1.2	.7									3.1	4.5
SSW	1.7	.9	.9	.3								3.1	6.3
SW	.7	2.4	1.3	.4								5.3	6.2
WSW	.3	2.6	3.5	1.2	.1							8.2	7.6
W	2.1	5.9	8.7	6.5	2.3	.4						25.9	9.5
WNW	.9	3.9	5.4	3.9	.4	.4						15.3	9.2
NW	1.1	1.8	2.1	.4								5.4	6.4
NNW	.7	1.7	1.4	.2								3.3	6.4
VARBL	2.3	.2										2.5	2.4
CALM												3.8	
	15.9	28.0	30.4	16.3	4.1	1.4	.1					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH
 CLIMATE
 ALL-WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44 2 VISA AA AS JP STATION NAME 77-79 YEARS MAP
 CLASS ALL WEATHER MONTH 11-21
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	1.1	.1									1.6	4.4
NNE	.1	.3										.4	4.0
NE	.1	.2	.1									.4	5.6
ENE		.1	.4	.3								.9	17.4
E	.2	.3	.3	1.2	.3	.2						3.1	15.6
ESE	.2	.9	1.1	.4								2.7	7.5
SE	.2	.9	.9	1.2	.2							3.4	5.1
SSE	.6	1.1	.5	.1								2.1	5.2
S	3.1	3.3	.9	.1								7.3	4.7
SSW	1.7	3.1	1.8									5.5	5.2
SW	3.2	6.1	1.1	1.1								11.4	5.3
WSW	3.7	4.3	3.7	1.2	.4	.1						13.4	6.4
W	2.5	8.7	7.1	4.7	1.6	.1						23.4	8.2
WNW	1.4	2.3	2.7	3.0	.6	.2						10.2	9.1
NW	1.7	2.1	.9	.3	.2							4.9	5.1
NNW	.3	1.1	.4	.2								2.1	5.6
VARBL	1.3	.3										2.2	2.4
CALM												3.9	
	21.2	35.5	21.7	13.3	3.3	.7						173.1	5.6

TOTAL NUMBER OF OBSERVATIONS 902

U.S. AIR FORCE CLIMATOLOGY BRANCH
 U.S. AIR FORCE
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION WISAWA AB JP STATION NAME WISAWA AB JP YEARS 77-79 VAS MAC
 NORTH
 CLASS ALL WEATHER
 CONDITION ALL
 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.0	.7	.1		.1						1.3	5.9
NNE	.4	.4	.3	.1								1.2	5.7
NE	.1	.4	.4	.2	.1	.1						1.1	5.4
ENE	.2	.4	.6	.3	.1							1.5	7.9
E	.4	.7	1.2	.9	.4	.1	.1					3.8	10.1
ESE	.4	.8	1.4	1.4	.2	.1	.1					4.3	9.6
SE	.2	.9	1.3	1.1	.2	.1						3.7	9.3
SSE	.2	1.1	.5	.2	.1							2.4	8.1
S	1.5	2.2	1.7	.3	.1							5.8	8.2
SSW	1.3	2.4	1.2	.3	.1							5.2	8.8
SW	1.7	3.7	2.1	.9	.1							3.5	6.3
WSW	1.7	3.3	3.4	2.1	.5	.2	.1					11.1	7.9
W	2.6	4.2	5.3	5.1	2.4	.6	.2	.3				21.3	10.2
WNW	1.0	1.9	3.1	5.2	1.5	.5	.1	.2				13.2	11.3
NW	.7	1.3	2.1	1.6	.3	.2						6.0	8.9
NNW	.6	.9	1.1	.7	.1							3.2	7.2
VARBL	1.9	.5										2.5	2.6
CALM												3.8	
	15.6	26.3	25.7	21.3	5.7	1.6	.2	.3				100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 7162

JOINT CLIMATE BRANCH
AFMTC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44-1 MISAWA AB JP STATION NAME 71-79 YEARS 1951
 CLASS ALL WEATHER MONTH 000-00
 CONDITION NOV 56 (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	.1									2.1	3.8
NNE	.7	.6	.1									1.4	3.7
NE	.7	.2										.9	3.8
ENE	.4	.5	.1									.9	4.1
E	.5	1.1	1.1	.6	.6							3.9	5.4
ESE	.6	1.9	1.0	1.1	.1							5.5	7.5
SE	1.1	1.3	1.3	.2	.3	.2						4.8	7.5
SSE	.9	1.6	.2									2.6	4.2
S	3.7	3.5	1.8	.7								9.2	5.3
SSW	2.6	2.3	3.2	.6								9.1	5.6
SW	1.2	3.2	3.5	1.5	.6							10.1	7.9
WSW	2.5	3.6	3.9	3.5	.3							14.3	8.3
W	2.9	2.9	2.6	2.1	.5							13.1	8.3
WNW	1.5	1.4	.9	1.8	.6							8.2	5.3
NW	1.2	.7	.3	.4	.1							3.2	6.7
NNW	.5	.3	.4									1.8	4.1
VARBL	3.3	.6										3.9	2.5
CALM												7.1	
	23.1	27.7	21.9	16.4	3.6	.2						127.0	6.3

TOTAL NUMBER OF OBSERVATIONS 655

GENERAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

444 2 MISAWA AB JP 71-79
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
APR
MONTH
1300-0000
MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2										1.1	4.4
NNE	.2	.2	.2									.8	4.1
NE	.6	.4	.1									1.1	5.9
ENE	.6	.4	.6									1.5	5.2
E	.3	.6	.9	.9	.5							3.3	5.9
ESE	.8	1.8	1.2	1.2								4.9	7.2
SE	.5	2.5	1.6	.7		.2						5.5	7.4
SSE	.8	2.7	.2	.1								3.2	4.3
S	2.3	3.9	1.8	.1								6.1	4.9
SSW	2.7	4.3	2.7	.6								10.6	5.4
SW	1.5	4.3	4.2	.6	.1							10.6	6.4
WSW	1.8	2.7	1.8	2.2	1.2							9.6	6.9
W	3.7	4.6	1.9	3.3	.9							14.4	7.3
WNW	1.3	1.3	2.2	2.2	.1							7.1	5.1
NW	.5	.9	.6	.8								2.8	7.4
NNW	1.6	.8	.2									2.7	3.3
VARBL	4.9	.2										4.2	2.3
CALM												5.4	
	24.2	32.2	19.6	12.8	2.8	.2						100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 354

GLOBAL CLIMATOLOGY BRANCH
 100-100
 200-100 SE-VIS/440

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 100-100 SE-VIS/440 STATION NAME 100-100 YEARS 77-79 APP 800-100
 CLASS ALL WEATHER MONTHS 1-12
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.2	.1		.1							2.4	4.6
NNE	.6	.4	.5		.1							1.6	5.6
NE	.4	.2		.1								1.7	5.4
ENE	.7	.4	.1	.1								2.3	5.5
E	.7	.9	.8	.5	.6							3.6	6.7
ESE	.6	.9	2.5	1.3	.1	.1						5.6	6.9
SE	.2	1.4	1.8	.8	.4							4.6	6.8
SSE	1.3	2.4	.8	.1								4.6	6.1
S	1.7	3.2	2.7	.6								9.2	6.2
SSW	1.4	2.0	3.1	.7								7.2	6.4
SW	1.5	4.1	2.7	2.2	.2							10.8	7.6
WSW	1.7	2.5	2.5	2.6	1.8	.1						11.1	9.6
W	2.4	3.3	1.9	3.7	1.4	.6						13.3	9.5
WNW	.6	2.1	2.2	3.0	.5							6.4	9.5
NW	.6	.8	.7	.8	.2							3.2	6.3
NNW	.9	1.3	.6	.5								3.6	6.2
VARBL	3.8	.4										4.1	2.2
CALM												5.1	
	20.1	24.2	23.3	17.0	5.4	.6						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 845

ROYAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 449 HISAIA AB GP STATION NAME 70-79 YEARS APP NORTH 19 0-11 MOVES (L & T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.1	.0	1.1								3.2	3.1
NNE	.5	.7	.5									1.7	5.7
NE	.9	.4	.0	.2								2.3	1.8
ENE	.1	2.4	1.4	.7	.1							4.7	7.3
E	.5	2.2	4.5	1.3	.4							8.9	5.7
ESE	.7	1.5	4.9	3.3	.2	.7						17.9	17.9
SE	.1	.9	1.6	1.4	.5	.1						4.9	13.2
SSE	.1	.9	1.3	.1								2.5	6.9
S		.7	2.1	1.8								4.6	9.4
SSW	.1	.5	.6	1.1								2.4	9.3
SW		.9	1.9	3.2	1.2	.1						7.3	12.0
WSW	.1	.5	1.4	3.4	3.3	.8						9.6	15.3
W		.5	1.7	3.4	3.7	2.7	.2					19.8	16.3
WNW	.2	.9	2.1	4.9	2.7	.7						11.6	13.7
NW	.2	.5	1.6	2.4	.9	.1						5.9	12.1
MNW	.1	.8	1.7	.6								3.4	8.2
VARBL	3.3	1.8										8.7	2.5
CALM												.9	
	6.0	17.2	29.5	29.1	12.9	4.1	.2					100.0	11.9

TOTAL NUMBER OF OBSERVATIONS 645

U.S. AIR FORCE CLIMATE BRANCH
 12-70
 ALL WEATHER SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 12-70 STATION NAME: 12-70 YEARS: 12-70
 CLASS: ALL WEATHER
 COMMENTS: 12-70-12-70
 MOON (L.S.T.): 12-70-12-70

SPEED (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.5	1.5	.7	.7							3.0	5.0
NNE	.1	.7	.1	.5								1.0	2.4
NE	.1	.5	1.5	.1								1.0	3.0
ENE	.2	1.2	3.0	1.2	.7							5.0	7.0
E	.5	1.3	7.4	5.1	.7							13.0	9.5
ESE		.7	2.9	2.6	2.0	.1						14.0	12.9
SE	.1	.2	.7	2.6	.3	.2						4.7	11.6
SSE		.2	.1	.1		.1						.7	1.3
S	.1	.5	.5	1.7	.2	.1						2.9	10.0
SSW		.1	1.0	.7	.1							2.2	10.0
SW		.3	.7	2.6	1.6	.1						5.4	14.6
WSW	.1		.5	2.6	2.2	1.7	.2					7.7	17.6
W		.7	.5	3.2	4.7	3.2	.5					13.5	16.2
WNW		.1	.9	5.4	2.3	1.7	.1					10.6	15.9
NW	.1	.2	1.7	3.9	1.5	.7						7.7	13.5
NNW		.3	.5	2.7	.2							3.5	11.2
VARBL	.2	.9										1.2	4.5
CALM												.7	
	1.5	9.3	24.3	30.5	17.1	7.3	.2					10.0	13.1

TOTAL NUMBER OF OBSERVATIONS 368

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 444 MISAWA AB JP STATION NAME 77-79 YEARS APR
MONTH 15 7-17
HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.2	.3	.2								1.1	6.1
NNE	.2	.3	.3	.3								2.2	7.2
NE	.3	.9	1.2	.2								2.7	9.7
ENE		.9	1.7	.6	.1							3.4	9.9
E	.5	3.4	5.7	3.1	.1	.1						12.7	3.4
ESE	.2	1.2	6.2	7.4	1.1							16.9	11.2
SE	.2	.7	2.1	3.6		.1						7.2	12.1
SSE		.2	.3	.1								.7	8.7
S	.2	.2	.5	1.7								2.9	13.2
SSW		.2	.3	.6								1.2	10.6
SW	.1	.2	.8	2.9	.5	.1						4.6	13.2
WSW		.2	1.3	2.9	3.2	.7	.2					8.6	15.9
W	.1	.6	1.4	4.9	4.4	1.6	.9					13.9	16.8
WNW		.2	.9	5.6	3.4	.9	.1					11.1	15.5
NW	.1	.5	1.4	4.4	.9	.3						7.7	12.9
NNW	.2	.7	.8	1.3								3.5	9.2
VARBL	.8	.3										1.2	3.0
CALM													
	3.5	12.2	25.2	39.8	14.1	3.9	1.3					100.0	12.1

TOTAL NUMBER OF OBSERVATIONS 861

U.S. AL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 442 MISAAA AB JP STATION NAME 7-79 YEARS APR
ALL WEATHER MONTH 18-1-79
 CLASS ALL WEATHER HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.5	1.3	.5									3.2	4.7
NNE	.8	.9	.3									4.1	4.1
NE	.8	.9	.1									1.8	3.6
ENE	.9	.9	.7	.2	.2							3.5	5.3
E	1.1	2.8	1.5	.9								6.2	8.7
ESE	1.3	2.4	3.5	1.4	.7							8.8	7.6
SE	.7	2.8	2.7	2.7	.3	.1						9.2	8.0
SSE	.6	1.1	.6			.1						2.3	6.1
S	.8	1.6	1.3	.8								4.5	7.1
SSW	.2	.9	.7									1.8	8.2
SW	.7	1.1	2.4	1.5								5.3	3.9
WSW	.6	1.6	2.3	2.9	1.3	.1						9.6	10.8
W	.1	2.3	3.9	4.4	1.2	.7	.3					12.9	11.7
WNW	.1	1.4	4.9	4.2	1.2	.5						12.0	11.2
NW	1.6	1.1	1.6	1.5	.2							6.0	7.5
NNW	.5	1.5	1.3	.5								3.7	6.0
VARBL	3.7	.5										3.5	2.4
CALM												4.4	
	14.9	25.0	28.2	22.8	4.9	1.5	.3					152.0	8.7

TOTAL NUMBER OF OBSERVATIONS 365

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION FISAWA AB JP STATION NAME 71-79 YEARS 1944
MONTH 10-20
HOURS (L.S.T.) 21 0-20
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	.7	.2									2.5	3.8
NNE	.5	.1	.1									.7	3.7
NE	.6	.4	.4	.2								1.5	5.4
ENE	.8	.2	.2	.2								1.5	5.3
E	1.2	1.4	.8	.8	.4							4.6	7.4
ESE	.7	1.5	1.6	.4								4.2	6.4
SE	1.3	2.4	2.6	.6	.1							7.4	6.3
SSE	1.2	1.8	.5	.1	.1							3.7	5.1
S	2.6	2.5	1.9	.8								7.7	5.8
SSW	1.1	2.9	2.2	.5								6.6	5.2
SW	1.6	3.2	3.1	.9								8.8	6.4
WSW	.9	2.8	3.2	3.1	1.5	.4						11.9	10.3
W	1.9	3.9	3.8	2.6	.7	.2						13.3	8.5
WNW	.9	1.8	2.2	1.9	.6	.4						7.8	9.7
NW	.7	1.3	.5	.2		.1						2.8	6.1
NNW	1.1	1.1	.2	.1								2.5	4.1
VARBL	3.9	.6										4.5	2.2
CALM												8.5	
	23.0	28.4	23.4	12.7	3.4	1.1						130.0	6.4

TOTAL NUMBER OF OBSERVATIONS 849

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 442 MISAWA AB JP STATION NAME 77-79 YEARS APR
MONTH ALL
CLASS ALL
HOURS (L & T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9	.5	.3	.1							2.5	3.7
NNE	.5	.6	.7	.1	.1							1.5	3.3
NE	.5	.6	.5	.1								1.7	5.7
ENE	.5	.8	1.7	.4	.1							2.8	7.2
E	.7	1.8	2.7	1.5	.4	.1						7.1	2.5
ESE	.6	1.5	3.1	3.1	.5	.1						6.8	9.9
SE	.6	1.6	1.8	1.6	.3	.1						6.3	7.3
SSE	.6	1.3	.5	.1	.7	.7						2.5	5.5
S	1.3	2.1	1.5	.9	.7	.7						5.8	6.5
SSW	1.7	1.8	1.7	.6	.7							5.1	5.4
SW	.9	2.2	2.4	1.9	.5	.7						7.9	8.9
WSW	1.7	1.7	2.1	2.9	1.9	.5	.1					10.2	11.6
W	1.4	2.3	2.2	3.7	2.1	1.1	.2					15.1	12.7
WNW	.6	1.2	2.1	3.6	1.5	.5	.7					9.4	12.0
NW	.6	.7	1.1	1.8	.5	.1						4.9	10.3
NNW	.7	.9	.8	.6	.6							3.0	7.0
VARBL	2.7	.7										3.4	2.5
CALM												4.3	
	14.7	22.5	24.4	23.3	8.0	2.4	.3					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS 6842

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

144 2 HISANA AB JP 75-79 MAY
STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
HOURS (LST.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	.6	.4	.1								2.1	4.6
NNE	.8	.6	.2	.1								1.7	4.6
NE	.6	.4	.4	.2								1.7	5.1
ENE	.3	.4	.1	.1								1.1	5.6
E	1.3	1.3	.3	.7	.3							3.4	5.8
ESE	1.6	1.9	2.1	.7								6.2	5.3
SE	.7	1.9	2.8	1.1								6.5	7.5
SSE	1.1	.6	.7									2.3	4.5
S	1.2	1.8	1.3	.8								5.8	5.3
SSW	2.2	3.7	2.4	.4								5.3	5.6
SW	1.7	3.9	2.2	1.0	.2	.1						9.0	6.7
WSW	2.3	2.8	2.4	1.2	.6	.1						9.5	7.2
W	3.1	4.2	3.1	2.1	.7							15.2	6.4
WNW	2.1	1.6	1.1	1.1								5.8	5.9
NW	1.2	1.2	.4	.1								3.0	4.7
NNW	1.4	1.0	.2	.1								2.8	3.9
VARBL	4.8	.9										5.3	2.3
CALM												10.3	
	29.6	28.4	20.5	9.8	1.7	.2						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 399

CLIMATE CLIMATOLOGY SECTION
USAFETAC
AIR WEATHER SERVICE/PAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 44 MISAWA AB JP STATION NAME 7-79 YEARS MAY
ALL WEATHER NORTH
CLAS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.4	.2	.2								3.0	4.3
NNE	.6	1.2	.1									2.1	3.7
NE	.7	.7	.2									1.5	4.0
ENE	.5	.3	.4	.1								1.4	5.0
E	.9	1.5	1.2	.2	.3							4.2	6.6
ESE	.3	2.3	1.3	.7								4.6	7.2
SE	1.1	1.2	2.0	1.5								5.3	7.3
SSE	.8	1.3	.6	.2								2.5	5.1
S	1.1	1.2	2.2	.7	.1							7.0	6.1
SSW	1.7	3.0	3.1	.9								5.7	6.4
SW	2.3	3.2	3.2	1.1	.1							10.4	6.3
WSW	2.1	2.1	2.4	1.4	.3							6.6	7.3
W	4.1	3.5	2.2	1.5	.5							12.0	6.3
WNW	1.1	1.1	1.4	.7	.1							4.4	7.7
NW	1.7	.6	.9	.4								3.5	5.7
NNW	1.1	1.7	.6	.2								2.9	1.5
VARBL	5.7	.7										6.4	2.1
CALM												10.6	
	28.7	27.5	22.3	9.4	1.5							103.0	5.3

TOTAL NUMBER OF OBSERVATIONS 926

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4472 MISANA AB GP 70-79 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.2	.8	.2								4.4	4.5
NNE	.1	1.2	.2									1.5	5.1
NE	.3	1.3	.2									1.8	4.8
ENE	.6	1.7	.4	.1								2.2	5.5
E	.7	2.2	1.8	.8	.3							5.8	7.6
ESE	1.2	2.1	1.9	1.2		.1						5.5	7.2
SE	.9	2.1	1.9	1.5	.1							8.5	7.8
SSE	.7	.6	.7									1.9	4.9
S	1.7	2.4	3.1	.6								7.1	6.7
SSW	.9	2.8	2.7	.7	.3							7.3	7.4
SW	1.2	2.7	3.4	2.8	.8							13.5	6.6
WSW	2.6	1.8	1.7	2.9	.8	.1	.1					9.1	8.3
W	2.7	2.5	1.1	1.1	.8	.4						3.0	6.2
WNW	.6	1.1	1.7	2.0	.7							6.3	9.9
NW	.6	1.5	1.3	1.1	.1							4.6	7.6
NNW	.6	1.2	.8	.5								3.1	6.7
VARBL	5.6	.9										7.5	2.3
CALM												5.7	
	22.8	26.7	23.7	14.7	3.6	.7	.1					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 693

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISAAA AB JP STATION NAME WISAAA AB JP YEARS 77-79 MONTH MAY
CLASS ALL WEATHER HOURS (L.S.T.) 0700-1700
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	2.1	1.3	1.1								3.1	7.5
NNE	.1	1.1	.6	.1								1.5	2.7
NE	.3	1.2	1.5	.1								3.1	6.4
ENE	.4	2.2	1.5	.2								4.1	5.4
E	.4	4.8	6.5	1.3	.3	.4						14.4	10.5
ESE	.3	2.1	6.7	5.4	.8							12.6	10.4
SE		.6	1.7	1.3	.2							3.3	11.7
SSE	.2	.7	.7	.1								1.7	5.3
S	.4	.8	1.5	1.7								3.3	8.1
SSW	.1	.8	1.7	1.6	.1							4.5	9.8
SW	.2	.7	1.8	2.5	1.2	.2						6.6	12.4
WSW		.8	.9	2.8	2.4	.2						7.1	14.1
W	.6	.8	1.7	1.6	1.5	.6						6.2	13.7
WNW	.3	.7	1.2	3.9	2.1	.4						5.7	13.7
NW	.2	1.1	1.9	2.5	.7							5.2	10.4
NNW	.1	1.7	1.3	.7								2.8	8.1
VARBL	5.5	1.3										6.1	2.6
CALM												.6	
	9.9	22.8	30.8	24.3	9.7	1.9						100.0	2.5

TOTAL NUMBER OF OBSERVATIONS 689

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ALL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISAKA AB JP YEARS 71-79 MONTH 12

STATION NAME ALL WEATHER CLASS ALL WEATHER

CONDITION

MOON (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.1	.3	1.7	2.1	.1							4.4	13.2
NNE		1.2	.6	.2								2.0	6.6
NE	.1	.8	2.1	1.1								4.1	6.5
ENE	.1	.9	2.6	.8								4.4	6.3
E	.1	3.7	11.4	4.5	.7	.1						20.4	9.3
ESE	.1	1.9	9.5	5.1	.9	.1						17.4	11.3
SE		.3	1.8	2.8	.9							5.8	12.2
SSE			.1	.3								1.1	4.7
S		.5	.7	1.1	.1							2.5	10.1
SSW		.3	.8	.8								1.9	9.6
SW		.1	.8	1.9	1.3							4.1	13.9
WSW		.2	1.7	3.9	2.1	.1						7.4	14.6
W		.1	.3	2.5	1.7	.3						5.4	16.1
WNW		.2	1.0	3.9	3.3	.7						9.2	15.6
NW		.7	.6	3.3	.8							5.4	12.9
NNW		.6	1.0	1.3								3.1	9.9
VARBL	.5	1.2										1.6	3.3
CALM													
	1.1	13.2	36.5	35.7	11.7	1.8						100.0	11.2

TOTAL NUMBER OF OBSERVATIONS 296

CLIMATE CLIMATOLOGY BRANCH
 100-1140
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 44 MISAWA AB JP STATION NAME 77-79 YEARS MAY
ALL WEATHER MONTH 1960-1970
 CLASS NOON (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.8	.3	1.5								2.8	10.2
NNE	.1	1.1	1.5	.2								2.1	10.3
NE	.2	1.5	.7	.4								3.4	10.5
ENE	.1	1.3	2.2	.2	.2							4.4	10.5
E	.5	6.4	7.7	2.6	.5							17.6	10.5
ESE	.3	2.5	6.8	4.8	.8	.1						17.4	9.7
SE		1.2	4.7	2.8	.6							9.3	10.3
SSE	.2	.2	.4	.1								1.2	9.8
S	.1	.3	.3	.4								1.2	9.6
SSW	.1	.2	.6	.7	.2							1.8	10.6
SW		.3	1.1	1.8	1.5							4.7	13.6
WSW		.2	1.7	3.0	2.4	.1						6.7	14.7
W		.3	.5	4.3	1.9							6.7	14.5
WNW		.2	.5	3.4	2.1	.2						9.5	14.5
NW		.2	.7	3.7	.2							5.0	13.2
NNW		.8	.6	2.2								3.4	10.5
VARBL	1.7	.5										2.2	3.1
CALM												.1	
	3.4	15.9	31.7	34.9	10.5							116.0	11.0

TOTAL NUMBER OF OBSERVATIONS 906

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION MISAWA AB JP YEARS 77-79 MONTH MAY
STATION NAME ALL WEATHER CLASS ALL WEATHER MONTH MAY
CONDITION ALL WEATHER HOURS (L.S.T.) 1877-2000

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.7	1.5	.6									3.6	4.2
NNE	1.7	1.5	.4									3.6	4.3
NE	1.8	1.3	.3	.2								3.3	4.6
ENE	1.1	1.4	.3	.2								3.1	4.2
E	2.4	4.5	2.2	1.2	.1							10.5	6.1
ESE	1.1	4.5	3.1	2.8	.3	.2						13.0	6.1
SE	1.3	3.9	3.2	1.4								9.8	6.9
SSE	.2	2.7	.9									4.3	6.9
S	.5	.7	1.7	.6								2.8	6.4
SSW	.7	.6	.7	.4								2.2	7.3
SW	.1	1.7	1.4	1.5	.5							4.8	10.3
WSW		.9	3.6	3.3	.5	.1						6.5	11.0
W	.6	1.3	3.3	2.4	.3							6.2	9.7
WNW	.3	1.3	2.7	3.6								7.2	9.8
NW	.2	1.3	1.8	1.8								5.1	8.3
NNW	.7	1.4	1.1	.8								4.0	6.8
VARBL	2.3	.4										2.5	2.3
CALM												4.7	
	15.9	30.7	26.1	20.4	1.9	.3						100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 898

U.S. AIR FORCE
METEOROLOGICAL BRANCH
ATMOSPHERIC SERVICE/MAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISAKA AB JP STATION NAME 70-79 YEARS MAY
 CLASS ALL WEATHER MONTHS 4-10-20
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	.9	.1									2.1	3.5
NNE	.9	.7										1.6	3.1
NE	.4	.9	.1	.1								1.5	3.0
ENE	.6	.3		.1	.1							1.1	2.8
E	1.1	1.7	1.1	.7	.1							4.0	5.1
ESE	1.2	2.7	2.6	.9	.4							7.8	7.4
SE	.8	2.9	2.2	.6								5.4	6.5
SSE	1.2	1.1	.8	.2								3.5	4.8
S	1.5	1.3	.6	.2								3.6	4.6
SSW	1.9	2.4	1.7	.4	.1							6.4	5.7
SW	1.5	3.5	2.2	1.6	.1							8.9	7.2
WSW	1.1	2.1	1.9	1.7	.7	.3						7.7	9.2
W	4.3	4.2	3.1	1.3	.1							13.3	9.7
WNW	1.2	2.7	1.9	.8								6.6	6.6
NW	1.7	1.9	1.7	.3								4.9	6.0
NNW	1.1	.6	.2	.1								2.0	4.1
VARBL	5.8	.9										6.7	2.3
CALM												10.9	
	26.5	31.4	20.3	9.0	1.7	.3						100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 592

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 144 B STATION NAME MISAWA AB JF YEARS 70-79 DAY MONTH ALL WEATHER CLASS ALL HOURS (L.S.T.) CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.0	1.1	.7	.7	.							1.5	6.3
NNE	.5	1.1	.5	.1								2.1	5.3
NE	.5	1.1	.7	.3								2.5	5.2
ENE	.2	1.1	.9	.2	.							2.7	5.6
E	.0	1.2	4.7	1.5	.4	.1						10.2	7.9
ESE	.0	2.5	4.4	2.5	.1	.1						10.5	6.8
SE	.6	1.8	2.5	1.5	.2							6.7	6.4
SSE	.1	.5	.7	.1								2.3	5.4
S	.9	1.2	1.4	.7	.							4.2	5.7
SSW	.0	1.7	1.6	.8	.1							3.1	7.5
SW	.0	2.2	2.7	1.8	.7	.2						7.4	9.8
WSW	1.1	1.4	1.9	2.4	1.2	.1	.0					8.1	10.5
W	2.1	2.2	1.9	2.1	.2	.2						4.5	8.7
WNW	.7	1.1	1.4	2.8	1.1	.2						7.2	10.1
NW	.6	1.1	1.2	1.5	.2							4.7	9.0
NNW	.5	1.1	.7	.8								3.2	7.1
VARBL	4.1	.8										4.9	2.5
CALM												5.4	
	17.2	25.2	26.4	19.8	5.3	.7	.0					100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 7161

CENTRAL CLIMATOLOGY DIVISION
AFPC
AIR WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MICAWA AB GP STATION NAME 1-79 YEAR JUN
DATE 1-79
ALL WEATHER
CLASS
CORRECTION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.4	1.3	.7									3.2	3.5
NNE	.7	.9	.7									1.9	4.4
NE	1.2	.7	.5									2.4	8.1
ENE	1.3	.9	.7									2.5	3.9
E	2.5	2.9	2.5	.8	.4							9.2	5.3
ESE	3.2	3.3	3.3	1.1								11.5	5.6
SE	2.4	2.2	2.5	.5								6.2	7.7
SSE	1.5	1.3	.5	.1								3.5	6.7
S	1.9	2.5	1.1	.1								5.1	4.6
SSW	1.5	1.2	1.2									4.0	4.8
SW	1.5	2.1	1.1	.1								3.1	8.7
WSW	.7	.9	.5	.4		.1						2.6	6.5
W	3.7	2.1	1.1	.2								7.1	6.7
WNW	1.5	.7	.9	.5								4.4	6.2
NW	.7	.5	.5	.2								2.2	5.6
NNW	.9	1.1	.2									3.2	4.2
VARBL	4.6	.2										2.1	2.3
CALM												20.4	
	32.5	24.0	17.7	5.9	.4	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 555

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 MISAWA AB JP 71-79 JUN 1971
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	1.2	.2	.1								3.4	3.7
NNE	1.5	.5	.2									2.2	3.1
NE	.7	1.3										2.0	4.0
NNE	2.7	1.1	.1									3.2	3.4
E	2.1	2.7	1.8	.7	.2							7.5	6.1
ESE	3.1	5.2	2.9	1.5	.2							12.9	6.3
SE	2.4	3.3	2.1	.6	.1							8.5	6.7
SSE	1.9	1.3	.5	.1								3.8	5.9
S	2.1	1.5	.7	.2								4.6	4.5
SSW	2.3	1.1	1.1									5.0	3.8
SW	1.1	1.9	.4	.1								3.4	4.8
WSW	2.0	1.3	.4	.8	.1							4.6	5.7
W	3.7	1.3	1.1	.4								6.7	4.4
WNW	1.5	1.4	1.3	.2								4.5	5.2
NW	.8	.2	.6									2.4	4.4
NNW	.5	.8										1.3	3.9
VARBL	5.2	.5										5.7	2.0
CALM												18.4	
	35.3	27.2	13.6	4.8	.7							100.2	3.9

TOTAL NUMBER OF OBSERVATIONS 548

CLIMATOLOGY BRANCH
USAFETAC
AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 644 MISAWA AB JP STATION NAME MISAWA AB JP YEARS 1979 MONTH JUN
CLASS ALL WEATHER HOURS (L.S.T.) 607-07
CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	1.8	.5									4.3	4.1
NNE	1.4	1.1	.6									3.2	4.1
NE	1.3	1.5	.7									3.5	4.3
ENE	1.8	1.9	.2									3.9	3.6
E	1.9	3.1	2.4	1.2								6.6	6.5
ESE	2.3	4.5	4.7	2.4	.2							13.5	7.1
SE	.6	2.9	4.2	1.7								9.1	7.3
SSE	1.7	1.3	.5	.1								3.1	4.7
S	2.1	.8	1.5	.1								4.5	5.1
SSW	2.3	.7	1.4									3.9	4.5
SW	.2	.7	1.7	.5	.1							2.9	7.5
WSW	1.3	1.3	.6	1.2								4.4	7.1
W	2.1	1.9	.6	1.1	.1							4.9	5.6
WNW	.6	.5	1.4	1.1								3.6	8.3
NW	1.7	1.3	.7	.4	.1							4.2	5.7
NNW	1.7	1.5	.5	.1								3.1	4.7
VARBL	9.7	1.7										10.7	2.3
CALM												9.7	
	33.7	27.3	27.3	9.4	.6							107.0	5.1

TOTAL NUMBER OF OBSERVATIONS 242

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 MISAWA AB JP 77-79
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
JUN
MONTH
1977-1979
YEARS (L & T)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.5	1.2	.2								3.8	6.8
NNE	.2	1.	.5									1.7	5.6
NE	.5	2.9	1.3	.1	.1							5.2	5.9
ENE	.1	3.8	2.6	.4								6.9	5.3
E	1.3	7.2	8.2	3.2	.2							19.9	7.2
ESE	.4	4.9	8.2	5.6	.6							19.7	9.7
SE		1.1	3.	2.6	.1							7.8	8.4
SSE	.2	.4	.2									.9	5.1
S	.1	.5	.6	.5								1.7	6.4
SSW		.4	.6									1.0	7.3
SW	.6	.2	.9	1.5	.1	.1						3.6	10.4
WSW		.5	1.1	1.6	.7							3.9	12.2
W	.2	.7	.5	1.1								2.6	7.1
WNW		.4	.9	1.7	.5							3.4	12.4
NW		.9	.4	.9	.5							2.6	12.7
NNW	.4	1.1	1.1	.1	.1							2.8	6.7
VARBL	6.9	3.4	.7	.1								11.2	7.4
CALM												1.6	
	11.3	31.9	33.3	16.7	3.1	.1						120.0	7.5

TOTAL NUMBER OF OBSERVATIONS 816

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISAWA AB JP STATION NAME 70-79 YEARS JUN
 MONTH 120-14
 CLASS ALL WEATHER
 HOURS (L & T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.7	1.4	1.1								3.6	3.6
NNE	.4	.6	.6	.4	.1							2.7	7.5
NE	.5	1.2	2.2	.4								4.2	5.7
ENE	.3	2.4	3.2	.2								6.2	8.9
E	.7	6.7	18.5	4.2	.4							29.6	8.3
ESE	.3	3.1	11.3	8.2	1.2							24.6	10.7
SE		1.4	2.9	3.1	1.1							8.5	11.7
SSE			.2	.2								.5	12.1
S		.4	.9	.6								1.9	9.1
SSW	.1	.2	.5									.8	6.6
SW	.1	.5	.5	1.1	.1							2.7	9.8
WSW			.6	1.8	1.2	.2						3.8	14.8
W	.3		.2	.7	.6							1.6	14.1
WNW	.1	.1	.1	2.9	.7							4.5	13.6
NW		.1	.6	.5	.2							1.4	11.4
NNW		.6	.6	.1	.1							1.4	8.1
VARBL	1.6	1.3	.6	.4								3.9	2.2
CALM												.2	
	4.7	12.5	44.9	25.8	5.6	.2						100.0	9.3

TOTAL NUMBER OF OBSERVATIONS 850

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MISAPA AC JP YEARS 7-79 MONTH JUN
CLASS ALL WEATHER MONTH 15-17
CONDITION HOURS (L.S.T.)

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	56	%	MEAN WIND SPEED
N	.1	1.2	1.6	.1								3.0	7.3
NNE	.2	1.5	.7	.6								3.0	6.8
NE	.8	1.3	1.9	.2								4.2	6.5
ENE	.5	2.1	2.3									4.9	6.3
E	.9	8.7	13.3	3.4								25.6	7.6
ESE	.7	5.6	11.5	9.5	.1							27.8	6.4
SE	.5	.1	5.1	3.8	.5							11.5	10.1
SSE		.2	.1									.3	8.3
S	.3	.6		.2								1.0	6.3
SSW			.3	.1								.5	10.3
SW		.1	.5	.5	.3							1.4	13.0
WSW		.1	.3	1.9	.1	.1						2.6	12.0
W		.3	.3	.7	.6							2.0	12.5
WNW	.1	.2	.5	2.6	.1							3.7	12.5
NW		.5	.5	1.3								2.3	10.7
NNW	.3	.6	.3	.6								1.9	8.7
VARBL	1.5	1.4	.3	.1								3.5	4.0
CALM												.7	
	5.8	23.4	39.7	25.8	2.4	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 859

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AT LEATHER SE-VIC/MAZ

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 6447 MISAWA AB JP 7-79 JUN
STATION NAME YEARS MONTH
ALL WEATHER
LASS
CO. DITION
HOURS (L.S.T.) 1800-2100

SPEED (KNTS) D/P	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	1.8	.9	.1								3.2	5.4
NNE	1.2	1.7	.4	.1								3.4	4.6
NE	1.8	1.4	.1	.4								3.7	4.4
ENE	2.7	3.1	.6	.1								6.5	4.2
E	4.4	7.7	4.3	2.1								18.4	5.9
ESE	2.1	7.9	7.7	4.3								21.3	7.5
SE	1.1	4.8	4.8	2.4								13.1	7.5
SSE	.7	4.8	.6									3.1	4.7
S	.7	.2	.7	.2	.1							2.0	7.1
SSW			.2									.2	7.7
SW	.4	.1	.6	1.3	.1							2.5	10.5
WSW		.5	1.1	.8								2.4	12.2
W	.1	.4	.7	.8	.1							3.1	9.9
WNW	.4	.8	1.8	.7								3.7	6.7
NW	.5	.8	1.1	.2								2.6	6.9
NNW	.7	.4	.8									1.9	5.7
VARBL	4.6	.7		.1								5.4	2.6
CALM												4.6	
	21.8	34.0	25.5	13.7	.4							100.0	6.2

TOTAL NUMBER OF OBSERVATIONS 847

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/MAJ

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 44 WISAWA AB JP STATION NAME 77-79 YEARS JUN MONTH
 CLASS ALL WEATHER HOURS (LST) 21.0-23.0
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.3	.8	.1									5.3	3.1
NNE	1.3	1.1										2.3	3.5
NE	1.4	.6	.1	.2								2.3	4.1
ENE	1.9	1.3	.1									3.3	3.7
E	3.9	3.1	1.6	1.2	.2							12.0	5.5
ESE	2.8	4.1	2.9	2.5	.1							12.4	6.7
SE	1.6	5.3	4.1	.5								11.5	6.1
SSE	2.2	2.5	.9	.1								3.9	4.3
S	2.0	2.9	.7	.2								6.6	4.6
SSW	.4	.9	.4									1.6	4.7
SW	1.1	.2	.7	.4								2.9	5.6
WSW	1.2	.8	1.1	.6	.7							3.9	7.0
W	1.9	1.4	.9	.4								4.6	5.2
WNW	.9	.6	.7	.9								3.2	7.1
NW	.9	.7	.7	.2								2.6	5.3
NNW	.7	.7	.1	.2								1.8	5.1
VARBL	3.4	.7										4.1	2.2
CALM												18.3	
	30.2	28.3	15.3	7.4	.6							100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 552

U.S. AIR FORCE CLIMATOLOGY BRANCH
 WASHINGTON, D.C.
 AIR WEATHER SERVICE/AFAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISCONSIN AFB STATION NAME WISCONSIN AFB YEARS 7-79 MONTH JUN
 CLASS ALL WEATHER
 HOURS (L.S.T.) ALL
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.1	1.3	.5	.2								3.5	2.3
NNE	.9	1.1	.4	.1	.1							3.5	2.3
NE	1.1	1.4	.9	.2	.1							3.4	2.2
ENE	1.3	2.1	1.2	.1								4.7	2.0
E	2.2	5.1	6.6	2.0	.2							18.1	7.1
ESE	1.8	4.8	6.4	4.5	.5							17.9	5.2
SE	1.1	2.9	3.7	1.8	.2							8.8	7.8
SSE	1.1	1.1	.5	.1								3.0	4.0
S	1.2	1.1	.8	.3	.1							3.4	5.5
SSW	.9	.6	.7	.2								2.1	4.8
SW	.7	.8	.7	.7	.1	.2						3.0	7.6
WSW	.7	.7	.7	1.1	.3	.1						3.5	9.3
W	1.5	.7	.7	.7	.2							3.2	5.6
WNW	.7	.6	.2	1.4	.2							3.5	9.1
NW	.4	.7	.6	.5	.1							2.5	7.2
NNW	.5	.8	.5	.2	.1							2.0	5.8
VARBL	4.6	1.2	.2	.1								5.2	2.8
CALM												9.1	
	21.9	27.0	26.3	13.8	1.7	.1						100.0	6.1

TOTAL NUMBER OF OBSERVATIONS 6763

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

44 C KISAWA AB GP 70-79 JUL

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

000-0111

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.6	.6	.3									3.7	3.1
NNE	1.7	.9										1.9	3.2
NE	1.2	.7	.1									2.0	3.4
ENE	1.1	1.7	.1									2.2	3.5
E	3.9	3.9	1.7	.9								13.3	5.2
ESE	2.6	3.4	2.4	1.8								13.2	5.4
SE	1.5	3.3	2.7	.7								7.5	5.5
SSE	1.7	2.3										4.0	5.4
S	3.3	2.0	.1									5.4	5.3
SSW	2.2	2.2	1.2	.1								5.9	4.5
SW	1.7	1.8	1.5	.2								5.2	5.4
WSW	2.3	2.3	.4	.8								5.3	4.9
W	5.2	1.9	.3	.1	.2							7.8	3.8
WNW	1.9	.4	.1		.1	.1						2.7	4.2
NW	.8	.3										1.1	2.8
NNW	1.5	.2	.1									1.3	2.9
VARBL	4.9	.8	.1									5.5	2.1
CALM												17.8	
	38.5	28.1	10.7	4.6	.3	.1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 921

U.S. AIR FORCE
 USAFETAC
 AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44 HIRAKA AG JP STATION NAME 70-79 YEARS JUL MONTH 1970 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIP	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.6	.2	.1									2.9	1.0
NNE	1.5	.8										2.3	1.3
NE	1.5	.3	.1									1.9	2.2
ENE	1.3	.9	.4									2.7	4.1
E	2.1	3.6	1.7	.7	.2							6.3	6.1
ESE	1.2	4.4	3.7	1.5								10.8	6.8
SE	1.5	4.5	1.7	.6								7.5	6.6
SSE	1.9	.9										2.8	3.1
S	2.7	1.5	.9	.1								5.3	4.1
SSW	1.7	2.9	.4									5.1	6.3
SW	2.6	2.7	1.7	.4								6.7	6.9
WSW	2.6	2.1	.4	.4								5.5	4.8
W	4.5	2.1	.6									7.2	3.4
WNW	1.5	1.7	.1		.2	.1						2.3	6.7
NW	1.5	.6	.3									2.4	3.6
NNW	.4	.1	.1									.7	3.5
VARBL	5.4	.7										5.1	2.2
CALM												10.3	
	32.4	33.0	11.0	3.7	.6	.1						72.0	3.7

TOTAL NUMBER OF OBSERVATIONS 891

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION: 44 MISAWA AB JP STATION NAME: 70-75 YEARS: JUL NORTH
CLASS: ALL WEATHER HOURS (L & T): 6-0-0
CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.7	1.3	.4									3.7	3.5
NNE	1.1	.5										1.7	3.1
NE	1.7	.9	.4									2.3	4.3
ENE	.7	.8	.6	.1								2.9	4.4
E	2.6	3.4	3.6	1.1	.1							17.4	5.3
ESE	1.5	4.1	5.5	1.8								12.9	7.4
SE	1.2	1.9	1.5	1.1								5.8	6.9
SSE	1.5	2.1	.1									3.7	7.9
S	1.7	2.7	1.5	.1								4.9	5.2
SSW	1.7	1.9	1.5	.4								4.8	6.3
SW	1.7	3.4	1.7	.6								6.6	5.9
WSW	1.7	2.2	1.1	.1								5.1	4.6
W	3.6	1.1	1.7	.2	.1							6.3	4.4
WNW	1.5	.7	.1		.2	.1						2.6	5.2
NW	.5	.7	.2									1.7	3.8
NNW	1.2	1.3	.3	.1								2.7	4.5
VARBL	1.9	1.3										12.2	2.2
CALM												9.7	
	36.3	29.4	18.3	5.7	.7	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 894

LOCAL CLIMATOLOGY BRANCH
 METEOROLOGICAL
 AIR WEATHER SERVICE/440

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MASANA AB JP YEARS 70-79 MONTH JUL
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	4.5	.6	.1								4.3	4.6
NNE	.4	1.1	.4									2.7	3.2
NE	.6	2.2	1.2	.3								4.8	3.6
ENE	.8	2.8	1.6	.3								5.7	3.3
E	1.3	9.7	5.6	2.1	.2							22.9	7.1
ESE	1.1	4.2	8.2	5.4	.3							26.1	6.1
SE	.3	.9	1.9	1.5								4.6	3.6
SSE	.2	.5	.3									1.1	4.2
S	.1	.5	1.5	.4								2.6	7.9
SSW		.9	1.6	.1								2.6	7.7
SW	.1	1.5	2.5	.9	.2							5.2	5.9
WSW	.4	1.3	.3	1.5	.3							4.6	9.2
W	.2	.4	.3	.3		.2						1.6	9.8
WNW	.1	.4	.2	.8	.1	.2						2.6	11.7
NW	.1	.5	.8	.4								1.9	8.1
NNW	.3	1.3	.3									1.7	4.9
VARBL	5.7	3.7	.3									19.8	3.2
CALM												1.5	
	14.1	34.2	32.3	15.3	1.2	.4						113.0	7.1

TOTAL NUMBER OF OBSERVATIONS 891

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 1447 USARAA AG JP STATION NAME 70-79 YEARS JUL
ROUTE 12 7-1, 7
HOURS (LST) 12 7-1, 7
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) Dir.	1 -	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	1.3	1.7	.3								3.5	7.3
NNE	.1	.9	.7									1.7	
NE	.1	1.7	1.9	.1								3.8	6.7
ENE	.1	3.1	3.2	.2								6.7	6.7
E	.1	1.7	17.2	4.7	.1							21.4	7.0
ESE		3.0	11.8	4.4	1.0							23.4	6.0
S	.7	1.7	2.1	2.1	.0							.9	1.0
SSE		.7	.1									.8	3.6
S		.1	1.7									1.1	7.8
SSW		.2	1.0	.1								1.3	8.3
SW	.1	.4	1.3	1.6	.0							3.7	10.7
WSW		.4	1.7	2.1	.2							3.8	11.6
W	.2	.3	.9	.9	.2							2.0	1.3
WNW		.2	.3	.9	.1							1.6	12.8
NW	.1	.1	.2	1.1								1.6	11.1
NNW		.2	.8	.2								1.2	6.3
VARBL	1.1	2.0	.2									4.2	4.2
CALM												.1	
	2.4	27.5	45.2	22.1	2.7							1.0	8.8

TOTAL NUMBER OF OBSERVATIONS 900

LOCAL CLIMATOLOGY BRANCH
 WEATHER SERVICE/MAL

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION PISAWA AB JP STATION NAME 77-79 YEAR Jul MONTH 1977
 CLASS ALL WEATHER
 CORRECTION None (L.S.T.)

SPEED (KNTS) Dir.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.7	2.6	1.3	.8								4.2	7.6
NNE	.5	1.8	.7									1.2	6.3
NE	.3	2.3	.6									3.6	6.8
ENE	.5	2.4	1.5	.2								4.6	6.6
E	1.4	6.4	13.8	4.7	.1							27.8	7.6
ESE	.4	1.2	10.2	8.5	1.2							28.2	9.1
SE	.1	2.6	4.4	1.3	.1							8.5	6.3
SSE		.9	.4	.2								1.6	7.1
S	.1	.7	.2	.1								.8	6.9
SSW		.2	.6	.1								.9	7.2
SW	.1	.2	.2	1.5	.1							2.9	10.8
WSW	.1	.3	.3	2.3	.1							3.2	12.0
W		.1	1.3	1.1	.2							2.6	11.2
WNW		.2	.3	1.7	.1							1.7	10.9
NW		.4	.3	.7	.1							1.6	10.2
NNW		.9	.5									1.2	6.6
VARBL	1.4	2.7	.6									3.9	6.3
CALM												.5	
	5.3	32.0	36.5	21.7	2.1							171.0	2.1

TOTAL NUMBER OF OBSERVATIONS 975

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

442 MISAWA AB JP 77-79 JUL
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.4	1.8	.2									3.4	4.1
NNE	2.5	1.7	.1									3.8	3.6
NE	1.6	1.3	.2									3.1	3.3
ENE	2.2	2.7	.6	.1								5.6	4.5
E	5.3	8.9	4.7	1.4								20.4	5.6
ESE	2.9	6.8	7.3	3.7	.2							20.9	7.3
SE	3.1	4.9	2.8	1.2								12.0	5.8
SSE	2.2	3.3	.2									5.8	3.9
S	1.7	1.1	.2									3.0	3.6
SSW		1.1	.2	.2								1.6	5.5
SW	.2	.4	.9	.3								1.9	7.8
WSW	.2	.2	1.4	1.1	.1							3.1	9.7
W	.7	.4	.3	.1								1.6	5.1
WNW	.3	.4	.6	.2	.1							1.7	7.9
NW	.2	.3	.4	.1								1.1	6.6
NNW	.6	.7	.3	.1								1.7	5.1
VARBL	4.2	1.0										3.2	2.6
CALM												4.2	
	28.9	37.2	20.6	8.7	.4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 899

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4442 STATION MISAWA AB JP 72-79 YEARS JUL NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	2.1	.7										2.8	2.7
NNE	1.7	.2										1.2	2.0
NE	1.2	.7	.3									2.2	3.6
ENE	2.2	.7										2.9	2.7
E	5.9	3.7	2.9	1.1								13.6	5.7
ESE	2.8	3.9	2.9	2.2	.1							11.9	7.0
SE	2.3	3.1	2.2	.3								8.0	5.7
SSE	2.6	2.4	.2									5.2	3.9
S	3.7	1.7										4.7	2.9
SSW	.9	2.3	.8	.1								3.8	5.2
SW	1.1	1.6	.9	.4	.1							4.1	6.4
WSW	1.2	.9	1.1	.6								3.8	6.2
W	3.1	1.7	.3	.1		.1						5.3	4.2
WNW	1.1	1.0	.2		.1							2.4	4.3
NW	1.3	.6										1.9	2.6
NNW	.8	.6										1.3	3.2
VARBL	7.4	.6										8.0	2.1
CALM												16.9	
	40.1	25.3	11.9	4.9	.3	.1						100.0	3.8

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

44 STATION MISAWA AB JP STATION NAME 70-79 YEARS JUL NORTH ALL HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.5	1.2	.6	.2								3.5	4.7
NNE	.9	.9	.2									2.1	4.7
NE	.9	1.3	.7	.1								3.0	4.9
ENE	1.2	1.8	1.0	.1								4.2	5.2
E	2.8	6.4	6.7	1.9	.1							18.8	6.7
ESE	1.5	4.8	6.5	4.3	.4							17.6	8.3
SE	1.3	2.8	2.3	1.1	.1							7.5	6.8
SSE	1.3	1.7	.2	.7								3.1	4.0
S	1.5	1.2	.7	.1								3.5	4.5
SSW	.7	1.4	.9	.2								3.2	5.5
SW	.9	1.5	1.3	.8	.1							4.5	7.0
WSW	1.1	1.2	.9	1.1	.1							4.4	7.3
W	2.2	1.0	.6	.4	.1	.7						4.4	5.2
WNW	.8	.6	.3	.4	.1	.1						2.3	7.2
NW	.6	.4	.3	.3	.3							1.6	6.0
NNW	.5	.6	.3	.1								1.5	4.9
VARBL	5.2	1.6	.1									7.8	2.7
CALM												9.6	
	25.3	39.5	23.6	10.8	1.0	.1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7182

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

442 STATION MISAWA AB JP STATION NAME 7-3-79 YEARS AUG MONTH 1979-08-01 HOURS (L.S.T.)

CLASS ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.2	.8	.2			.1						2.3	4.7
NNE	.5	.2										.9	3.1
NE	1.5	.3	.2									1.5	3.4
ENE	.5	1.8	.2	.1								1.7	5.2
E	1.3	1.3	1.2	1.1								5.9	5.7
ESE	3.3	1.3	2.9	.7	.2							7.2	6.7
SE	1.7	1.9	3.2	.4								7.2	6.3
SSE	2.8	1.4	.4									4.6	3.4
S	3.4	2.6	.7	.2	.1							7.2	4.3
SSW	3.2	4.5	1.5	.4								9.7	5.1
SW	1.9	4.4	2.3	.3								8.6	5.5
WSW	3.3	3.6	1.7	.6								9.1	5.1
W	4.6	3.3	.4	.2	.3							8.9	4.3
WNW	1.7	1.8	.2	.1								3.9	3.9
NW	.7	.7	.2		.1							1.7	5.0
NNW	1.2	.1	.2	.1								1.7	3.6
VARBL	5.2	.2										5.2	2.1
CALM												14.9	
	35.5	28.8	15.6	4.3	.8	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 909

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAG

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4472 STATION NAME WISAAA AB JP YEARS 7 -79 MONTH AUG
CLASS ALL WEATHER HOURS (L.S.T.) 3-2-0000
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.3	.1									1.1	3.6
NNE	.7	.7	.1									1.5	3.7
NE	1.1	.9	.2									2.2	4.1
ENE	.2	1.2	.7	.1								2.2	5.1
E	1.7	1.3	1.5	.8								5.3	6.2
ESE	1.7	1.2	2.4	1.3								6.6	7.0
SE	1.1	2.9	2.2	.6	.2							6.9	6.7
SSE	1.9	1.8	.1									3.7	3.6
S	3.7	4.3	1.7		.1							8.8	4.4
SSW	2.5	4.4	.7	.3	.1	.1						8.2	5.0
SW	3.0	4.2	1.8	.8								9.7	5.3
WSW	3.3	4.7	1.7	.7	.1							9.7	5.2
W	5.0	2.6	.8	.2	.1							8.7	4.0
WNW	1.8	1.3	.4	.2	.2							3.6	3.2
NW	.2	.4	.2	.1								1.0	3.9
NNW	.2	.4	.2									1.4	4.0
VARBL	5.1	.2										5.3	1.9
CALM												14.8	
	33.5	31.5	14.1	5.1	.9	.1						102.0	4.2

TOTAL NUMBER OF OBSERVATIONS 997

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MISAWA AB JP STATION NAME 77-79 YEARS AUG
ALL WEATHER 660-0000
 CLASS NOES (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.7	.1									1.4	4.2
NNE	1.7	.9	.2									2.1	3.9
NE	.7	1.0	.4									2.1	4.5
ENE	.1	1.1	1.2	.1								2.5	7.3
E	1.3	1.5	2.2	1.3								6.4	7.3
ESE	1.9	2.1	1.4	1.9								7.2	6.6
SE	1.8	2.5	1.6	.6								6.7	5.8
SSE	1.5	2.0	.3	.1								4.0	4.2
S	2.9	3.5	.5									7.9	4.7
SSW	2.3	4.1	1.6	.1								8.1	4.8
SW	3.7	5.2	1.4	.4	.1							10.9	4.8
WSW	3.3	4.0	1.4	1.8	.2							10.6	6.1
W	2.9	2.2	.3	.4		.1						5.9	4.7
WNW	2.4	.9	.9	.3								4.5	5.0
NW	1.0	1.0	.9	.4								3.3	5.7
NNW	.5	.9	.3									1.8	4.4
VARBL	5.7	.8										5.8	2.1
CALM												8.8	
	32.9	34.1	16.0	7.7	.3	.1						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/PAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44 2 MISAWA AB JP 70-79 AUG
STATION NAME YEARS NORTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	1.3	.9	.1								2.7	5.7
NNE	.7	.8	.9	.1								2.5	6.2
NE	.2	1.6	2.0									3.8	6.5
ENE	1.2	3.3	2.5	.7								7.4	6.3
E	.8	4.5	5.6	1.7	.3							12.9	7.5
ESE	1.1	2.5	5.8	3.5								12.9	8.2
SE	.2	1.9	2.6	1.9								6.6	8.4
SSE	.3	.7	.6									1.6	5.5
S	.6	2.3	1.1	.3								4.4	6.1
SSW	.2	2.1	2.0	.9								5.3	7.4
SW	.8	1.7	2.2	1.7	.1	.1						5.9	8.7
WSW	.3	1.8	1.7	2.0	.4							6.3	9.5
W	.7	1.2	1.9	1.0	.3	.1						5.1	8.7
WNW		.9	1.2	.9								3.0	8.6
NW	.9	.4	2.1	.3	.1							3.9	7.2
NNW		1.3	.8	.1								2.2	6.8
VARBL	5.7	3.2	.4									12.4	2.9
CALM												.2	
	17.4	30.3	34.2	15.2	1.3	.2						120.2	6.9

TOTAL NUMBER OF OBSERVATIONS 894

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 444 2 STATION NAME MISAWA AB JP YEARS 71-79 MONTH AUG
CLASS ALL WEATHER MONTHS (L.S.T.) 12-1-14-1
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.5	1.1	.4								2.2	7.6
NNE		1.1	1.1									2.2	6.7
NE	.1	1.5	1.6	1.3								4.4	7.6
ENE	.2	3.1	4.8	.7								8.8	7.3
E	.2	5.2	15.3	2.6	.3							25.1	8.3
ESE	.1	3.3	10.2	6.6								20.1	9.3
SE	.1	.7	2.2	2.1								5.1	9.7
SSE	.2	.5	.3									1.1	5.6
S	.2	.7	.9	.5								2.3	7.4
SSW	.1	.5	1.7	.5								2.2	8.7
SW		.8	1.6	1.2	.1							3.7	9.5
WSW	.2	.5	2.0	2.3	.2							5.3	10.7
W	.2	.4	.2	1.4	.2							2.5	10.9
WNW	.1	.2	1.8	1.1	.4							3.6	11.0
NW	.1	.8	1.2	2.5	.1							4.5	10.2
NNW	.2	1.0	1.0	.7								2.9	7.9
VARBL	1.4	1.8	.5									3.7	4.2
CALM												.2	
	3.7	23.7	46.7	23.7	1.9							100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4442 MISAWA AB JP

7 -79

AUG

STATION

STATION NAME

YEARS

MONTH

AL WEATHER

1500-17

CLASS

MOVES (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	1.1	.5	.8	.1							3.3	6.9
NNE	.3	.9	.4	.1								1.8	5.9
NE	.2	2.2	1.3	.2								3.9	6.1
ENE	.3	3.1	2.7									6.1	6.5
E	.7	5.6	11.3	2.3	.1							20.9	7.8
ESE	.2	4.2	11.7	6.6								22.7	9.1
SE	.2	3.1	5.4	2.4								11.1	6.3
SSE	.2	.8	1.1									2.1	6.6
S	.2	.8	.4	.3								1.8	6.5
SSW	.3	.9	.4	.3								2.0	6.8
SW	.3	.5	1.9	1.6								4.4	9.2
WSW	.1	.4	1.8	1.5	.1							3.9	10.7
W	.5	1.1	.4	1.0	.2							3.3	8.1
WNW	.1	.5	1.4	.8								2.9	9.3
NW	.1	.5	2.4	2.1								5.2	10.1
NNW	.3	.4	1.2	.3								2.3	7.5
VARBL	1.0	1.1	.1									2.2	3.7
CALM												.2	
	6.0	28.2	44.6	23.4	.5							100.0	8.1

TOTAL NUMBER OF OBSERVATIONS

912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 400 2 MISAWA AB JP STATION NAME 7.0-7.1 YEARS ALG
MONTH 1950-2-1950
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	1.3	.4	.2									2.5	3.3
NNE	.9	1.3	.2									2.4	4.0
NE	1.6	.7										2.4	3.7
ENE	.7	1.0	.6		.3	.1						2.5	6.2
E	3.4	1.3	4.1	1.2								15.0	5.5
ESE	2.4	6.2	5.5	2.4	.1							16.6	7.1
SE	2.1	5.1	4.2	1.3								13.3	6.2
SSE	1.7	2.5	1.2									5.4	5.7
S	1.5	1.0	.7									3.7	4.4
SSW	.6	1.5	1.4	.3								4.0	6.7
SW	.3	1.1	2.4	.1								4.5	5.8
WSW	.4	1.0	1.9	1.0								4.3	3.3
W	1.4	2.4	.8	.2								4.8	5.2
WNW	.7	1.1	1.4	.1								3.0	6.6
W	.7	1.8	.9	.1								3.4	5.6
NNW	.7	1.0	.4	.1								2.2	5.1
VARBL	3.3	.3										3.6	2.7
CALM												5.9	
	24.0	36.7	25.9	7.0	.7	.1						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 906

CENTRAL CLIMATOLOGY BRANCH
USAFETAC
ATP AFAT-FA SE-VIC/FAO

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NO. 4471 STATION NAME NISAAA AB JP YEAR 77-79 MONTH AUG
CLASS ALL WEATHER DATES 21.8-21.11
CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.7		.1								1.6	4.1
NNE	.3		.1									.9	3.1
NE	.6	.4			.1							1.1	.1
ENE	.3	.9	.1	.2	.7							1.8	5.1
E	3.1	1.9	1.2	1.1								7.3	5.1
ESE	1.2	2.4	3.2	1.9								8.7	7.8
SE	1.2	3.4	3.1	.6								8.3	6.5
SSE	2.9	1.9	1.2									6.0	4.2
S	3.2	3.2	.9	.1								7.4	5.1
SSW	2.3	3.5	.6	.6								7.2	4.9
SW	1.3	4.4	1.4	.3	.1							5.2	5.6
WSW	1.4	2.7	1.7	.3	.1	.1						6.3	6.3
W	3.4	3.8	.2	.3								7.8	4.7
WNW	1.7	1.3	.8	.2								3.7	5.1
NW	.6	1.3	.3									2.6	4.6
NNW	.8	.6	.1	.1								1.5	4.1
VARBL	2.1	.7										2.8	2.5
CALM												17.1	
	28.5	32.8	15.2	5.9	.6	.1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 933

LOCAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

448 2 MISAWA AB JP 70-79 AUS
STATION STATION NAME YEAR MONTH
ALL WEATHER
CLASS
CONDITION

SPEED (KNOTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.5	.7	.4	.2	.1	.1						2.1	5.3
NNE	.6	.7	.4	.0								1.8	5.9
NE	.7	1.1	.7	.2								2.7	5.5
ENE	.8	1.0	1.6	.2	.1	.1						4.2	6.9
E	1.6	3.7	5.3	1.5	.2							13.2	7.7
ESE	1.3	2.0	5.4	3.1	.1							12.8	5.1
SE	1.1	2.7	3.1	1.3	.1							8.1	7.1
SSE	1.5	1.6	.7	.8								3.6	5.2
S	1.2	2.3	.9	.2	.1							5.3	5.8
SSW	1.4	2.7	1.2	.5	.1	.1						5.8	5.6
SW	1.5	2.8	1.9	.6	.1	.1						7.0	5.3
WSW	1.6	2.1	1.7	1.3	.2	.1						6.9	7.1
W	2.3	2.1	.6	.6	.2	.1						5.9	5.4
WNW	1.0	.8	1.0	.5	.1							3.4	5.7
NW	.6	.9	1.0	.7	.1							3.2	7.5
NNW	.6	.7	.5	.2								2.0	5.7
VARB	3.9	1.7	.1									5.1	2.6
CALM												7.9	
	2.7	30.5	26.6	11.2	.5	.1						120.0	5.8

TOTAL NUMBER OF OBSERVATIONS 7254

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

444 2 HISAWA AB JP 73-79 SEP

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

000-7.00

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.1	.5									1.1	5.7
NNE	.3	.1	.1									.6	3.6
NE	.1	.1		.1	.2							.6	11.4
ENE	.1	.1	.6	.1	.1							1.3	9.0
E	.3	1.2	1.2	1.9	.5							5.2	10.0
ESE	.3	.5	2.1	1.6	.2							4.7	9.9
SE	1.1	3.3	2.1	.3	.2							7.1	6.3
SSE	.7	3.3	.7	.1								4.7	5.1
S	4.4	4.2	1.7	.1								9.7	4.0
SSW	3.3	6.6	1.9	.2								12.0	4.9
SW	3.5	5.8	2.7	.3	.2							12.5	5.2
WSW	4.5	5.1	1.5	.3								10.9	4.7
W	4.7	4.7	.5	.3								10.3	4.0
WNW	1.6	2.6	1.5	.3								6.0	5.6
NW	.6	.8	1.0	.3								2.7	6.3
NNW	.5	.2	.1									.8	4.3
VARBL	2.9	.2	.1									3.3	2.3
CALM												6.8	
	28.9	38.9	17.7	6.2	1.5							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 385

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 STATION MISAWA AB JP 70-79 YEARS SEP MONTH
CLASS ALL WEATHER 1300-1500 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.8	.7									1.6	6.4
NNE	.1		.2									.3	7.2
NE	.3	.1		.1	.2							.6	8.7
ENE	.5			.5								.9	8.3
E	.2	.9	1.5	1.9	.1							4.6	10.1
ESE	.3	1.5	1.0	2.4	.9							6.1	10.9
SE	.7	2.4	1.7	.3								5.1	6.5
SSE	1.8	1.7	.7									4.2	4.2
S	3.2	3.3	.8	.2								7.4	4.3
SSW	2.9	4.4	2.3	.2								9.8	4.7
SW	4.3	6.1	4.5	.3								15.2	5.2
WSW	3.7	5.4	1.0	.1								9.6	4.6
W	5.7	5.2	.9	.1								11.2	4.1
WNW	1.8	2.0	1.5	.5								5.8	5.3
NW	.3	.9	.9	.2								2.4	6.1
NNW	.3	.2	.6	.1								1.2	6.5
VARBL	4.3	.8										5.1	2.2
CALM												8.7	
	29.2	35.7	18.2	7.0	1.2							100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 886

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 84402 MISAWA AB JP YEARS 77-79

CLASS ALL WEATHER

CONDITION

SEP NORTH 1630-0800 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.5	.1								1.5	7.3
NNE	.2		.3									.5	5.2
NE	.2	.3		.2	.1							.9	8.4
ENE	.2	.8	.5	.1	.2							1.5	7.6
E	.1	.5	1.1	1.9	.3	.1	.1					4.2	12.5
ESE		.9	1.6	1.8	.3	.1						4.8	11.1
SE	1.1	2.1	1.5	1.3	.1							6.1	7.2
SSE	.7	3.0	1.5	.1								5.3	5.6
S	3.4	2.7	1.9									8.1	4.5
SSW	3.1	6.5	2.5	.5								12.6	5.1
SW	3.1	7.7	3.2	.2								14.2	5.3
WSW	2.6	6.6	1.1	.3								10.8	4.7
W	3.8	5.3	1.6	.2								10.9	4.6
WNW	.9	1.7	1.3	.3								4.0	5.7
NW	.5	1.0	1.1	.6								3.2	7.0
NNW	.5	.2	.1	.1								.9	4.3
VARBL	3.2	.6										3.8	2.2
CALM												5.8	
	23.8	40.2	19.2	7.9	1.1	.2	.1					100.5	5.5

TOTAL NUMBER OF OBSERVATIONS 873

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

444 2 STATION MISAWA AB JP STATION NAME 70-79 YEARS SEP MONTH 1955-1100 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.6	1.6	.7								3.1	2.3
NNE		.5	.7	.1								1.3	7.3
NE	.1	.8	1.3	.1								2.3	7.3
SNE	.5	.6	.6	.5	.1							2.2	7.8
E	.3	2.5	3.2	1.5	.5							3.1	8.6
ESE	.2	1.4	4.8	4.1	.3	.2						11.2	13.4
SE	.1	3.3	3.5	2.6	.5							9.6	8.9
SSE	.5	1.6	1.5	.1								3.7	6.2
S	.8	4.1	1.4	.3								6.7	5.9
SSW	.3	2.3	2.2	.2								4.7	6.7
SW	.9	2.1	.9	.7	.1							4.7	6.5
WSW	.8	1.7	1.0	.6								4.1	6.7
W	.7	1.5	2.3	1.4	.2							5.1	8.2
WNW	.7	2.1	3.0	2.8	.5							9.0	9.0
NW	.2	1.2	3.1	1.3	.1							5.8	8.6
NNW	.8	.8	1.6	.6								3.8	6.9
VARBL	7.8	3.8	.3	.2								12.2	3.3
CALM												1.6	
	15.1	30.4	32.6	17.8	2.3	.2						120.7	7.4

TOTAL NUMBER OF OBSERVATIONS 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 40402 MISAWA AB JP STATION NAME YEARS 70-79
CLASS ALL WEATHER
CONDITION
SEP NORTH
1200-1400 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.9	2.4	.9								4.4	6.4
NNE	.2	.8	.9	.1								2.0	6.5
NE	.1	.7	1.6	.2								2.6	7.3
ENE	.1	2.1	2.6	.6	.2							5.5	6.3
E	.5	3.8	8.1	2.7	.3							15.3	8.7
ESE	.7	1.6	7.1	8.6	.5							18.4	11.5
SE	.5	.8	3.9	4.7	.5							9.6	11.2
SSE	.5	.7	1.5	.6								3.2	7.6
S	.5	1.8	1.7	.3								4.3	6.6
SSW	.1	1.0	.6	.3								2.0	6.9
SW	.1	.7	.7	.5								1.9	8.4
WSW	.3	.5	.7	1.5								3.0	9.3
W	.2	.5	.7	1.6	.3							3.7	11.8
WNW	.3	.3	1.8	3.7	1.2	.1						7.6	12.3
NW	.1	.3	2.1	2.4								5.0	10.4
NNW	.5	.8	2.3	1.1								4.6	8.2
VARBL	3.3	2.4	.3	.5	.2							6.7	4.6
CALM													
	8.1	19.8	37.9	30.2	3.8	.1						100.0	9.1

TOTAL NUMBER OF OBSERVATIONS 386

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44462 STATION NAME MISAWA AB JP YEARS 75-79 MONTH SEP
 CLASS ALL WEATHER
 HOURS (L.S.T.) 1800-1700
 CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.7	1.7	.2								2.6	6.9
NNE	.7	.9	.3									1.9	5.5
NE	.3	.9	.7									1.9	6.6
ENE	.5	1.7	1.6	.5								4.2	6.6
E	.9	4.3	4.9	1.6	.6							12.2	7.9
ESE	1.1	5.9	9.5	6.8	.2							23.5	6.7
SE	.5	2.5	6.0	5.3	.2							14.5	9.0
SSE	.3	2.5	1.2	.6								4.6	6.3
S	.3	1.8	1.1	.5								3.7	6.5
SSW	.2	.7	.7	.2	.1							1.9	7.5
SW	.2	.9	.9	.5								2.5	7.5
WSW	.2	.6	.6	1.0								2.4	9.0
W	.1	.7	1.4	.9	.3							3.4	9.7
WNW	.2	1.0	2.5	4.0	.6							8.3	11.2
NW		.9	3.2	2.4								6.4	9.7
NNW	.3	.5	1.7	.6								3.4	7.6
VARBL	1.0	.7	.2	.2								2.1	4.8
CALM												.3	
	7.4	27.7	37.4	25.1	2.2							100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 884

CLIMAT CLIMATOLOGY SPANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

44 6 MISAWA AB JP 70-79 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1900-2000
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.6	.5	.2									1.3	4.5
NNE	.1			.1								.2	7.6
NE	.3	.3	.1									.5	9.3
ENE	.9	.5	.7	.3	.2							2.6	7.4
E	2.2	1.6	1.7	1.3	.3							7.1	7.2
ESE	1.7	4.7	4.9	1.1	.2							12.2	7.2
SE	1.4	3.9	5.1	2.5	.2							13.1	7.9
SSE	1.7	4.9	1.3									7.2	5.1
S	1.9	4.3	1.4									7.3	5.0
SSW	1.6	2.1	.5	.5								4.6	4.9
SW	.9	3.7	1.7	.1								5.0	5.4
WSW	1.0	2.3	1.5	.1								4.9	5.2
W	2.4	5.9	2.2	.3								10.8	5.3
WNW	1.0	3.2	2.2	1.1								7.5	5.6
NW	.8	1.4	.9									3.1	5.2
NNW	.5	.9	.2									1.6	4.4
VARBL	2.8	.5	.2									3.5	2.7
CALM												7.5	
	21.2	36.7	24.0	7.5	1.0							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 4400 MISAWA AB JP STATION NAME 70-79 YEARS SEP
ALL WEATHER 2100-2300
 CLASS NORTH
 HOURS (L.S.T.)
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.2		.2								.6	6.6
NNE	.2		.1	.1								.5	6.5
NE	.2	.2	.3									.6	5.7
ENE		.3	.1	.3								.6	10.1
E	.7	.6	1.7	2.3	.1	.3						5.4	10.0
ESE	.7	1.4	1.4	1.1	.6	.1						5.2	8.6
SE	1.5	3.6	2.7	1.7								9.6	5.9
SSE	1.7	2.8	1.0	.1								5.7	4.7
S	4.3	3.7	1.5	.1								9.6	4.3
SSW	3.4	3.3	1.6	.2								8.5	4.7
SW	2.9	7.4	1.4	.2								11.9	4.8
WSW	3.5	5.6	2.4	.1								11.6	4.8
W	5.3	5.4	.7	.2								11.7	4.0
WNW	.9	1.1	1.5	.7								3.7	6.4
NW	.6	.8	.8	.2								2.4	5.7
NNW	.1	.5	.2									.8	5.3
VARBL	3.6	.6	.3	.1								4.6	3.1
CALM												6.6	
	30.0	37.4	17.2	7.6	.7	.5						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 582

CLIMAT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 NISAWA AB JP 70-79 SEC
STATION STATION NAME YEARS MONTH
ALL WEATHER NORTH
CLAS ALL
CONDITIO MOVES (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.9	.3								2.0	7.3
NNE	.5	.3	.3	.1								.9	5.9
NE	.2	.4	.5	.1	.1							1.3	7.1
ENE	.3	.8	.8	.4	.1							2.4	7.7
E	.7	1.9	2.9	1.9	.3	.1	.7					7.8	8.3
ESE	.5	2.1	4.1	3.5	.4	.1						10.7	9.5
SE	.9	2.7	3.2	2.4	.3							9.3	8.3
SSE	.9	2.6	1.2	.2								4.3	5.5
S	2.4	3.2	1.3	.2								7.1	4.9
SSW	1.9	3.3	1.5	.3	.0							7.0	5.2
SW	2.7	4.2	1.9	.4	.7							8.5	5.4
WSW	1.9	3.5	1.2	.5								7.7	5.3
W	2.8	3.5	1.3	.6	.2							8.5	5.4
WNW	.9	1.8	1.8	1.7	.3	.0						6.5	6.3
NW	.4	.9	1.6	.9	.3							3.9	6.0
NNW	.4	.6	.9	.3								2.1	6.8
VARBL	3.6	1.2	.2	.1	.0							5.2	3.2
CALM												4.8	
	20.5	33.6	25.6	13.7	1.7	.1	.3					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 7043

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 STATION MISAWA AB JP 70-79 YEARS OCT MONTH 1990-1991 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.6	.2	.2								1.3	6.3
NNE		.1	.2									.3	3.3
NE		.2	.1	.1								.4	3.0
ENE	.1		.1	.1								.3	7.0
E	.2		.3	.3	.2							1.1	10.9
ESE	.3		.1	.2								.7	7.3
SE	.2	1.2	1.0	.2								2.7	7.0
SSE	.8	1.1	.3	.1								2.3	4.9
S	2.9	4.2	1.6	.3								9.0	5.7
SSW	3.8	9.1	3.4	.2								15.5	5.1
SW	2.8	9.2	4.3	.1								16.4	5.4
WSW	3.9	5.1	3.6	.6								14.1	5.4
W	3.3	6.5	4.0	1.8	.3	.2						15.9	6.8
WNW	.3	1.9	1.7	1.2	.2	.1	.1					5.5	3.6
NW	.3	.8	.8	.3								2.2	7.1
NNW	.2	.4	.6									1.2	5.9
VARBL	5.1	1.3	.1									6.5	2.6
CALM												4.3	
	24.3	41.8	22.4	5.9	.8	.3	.1					100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 901

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 MISAWA AB JP 73-79 CCT
STATION STATION NAME YEARS MONTHS
ALL WEATHER
CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.4	.6	.6	.3								2.1	6.7
NNE	.1	.3	.2	.1	.1							.9	6.5
NE				.2	.2							.4	16.5
ENE													
E	.1	.1		.2								.4	6.6
ESE	.3	.1	.3	.1								.9	6.5
SE	.2	1.3	.9	.1								2.2	6.2
SSE	.3	1.5	.7									3.0	4.7
S	1.9	3.7	2.0									7.6	5.0
SSW	2.3	6.5	4.1	.1								13.0	5.5
SW	2.6	11.8	6.1	.2								20.7	5.7
WSW	2.0	7.1	3.4	1.9								14.3	5.7
W	3.4	6.2	3.1	1.3	.2	.1	.1					14.4	5.4
WNW	.7	2.2	2.3	.9	.2	.1	.2					5.5	3.6
NW	.6	1.0	.7	.4								2.6	6.6
NNW	.3	.6	.2									1.1	4.2
VARBL	5.3	1.2										6.5	2.7
CALM												3.1	
	21.9	43.9	24.7	5.1	.5	.2	.3					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION WISAWA AB JP STATION NAME 70-79 YEARS 80T
ALL WEATHER MONTHS 1670 0870
 CLASS HOURLY (L.S.T.)
 COMMENTS

SPFD (KTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.3	.5	.3	.7								1.5	6.8
NNE	.2	.3										.3	4.4
NE			.2	.2		.1	.1					.7	15.1
ENE				.1	.1							.2	15.5
E		.1										.1	4.0
ESE		.3	.1	.5								1.0	10.0
SE	.1	.9	.2	.1								1.3	6.2
SSE	1.0	1.4	.1									2.5	4.4
S	2.5	4.7	2.3	.2								9.5	5.2
SSW	2.5	7.9	5.9	.1								15.5	5.7
SW	2.5	9.3	5.4	.5								17.8	5.8
WSW	3.4	8.3	2.9	.5			.1					15.3	5.5
W	3.2	6.9	3.7	1.3	.1	.1						16.1	5.7
WNW	1.3	1.4	2.2	1.4	.2	.2						6.3	8.6
NW	.3	.5	.9	.1								1.9	6.8
NNW	.2	.4	.3	.1								1.1	6.0
VARBL	3.3	.5	.2									4.1	2.7
CALM												2.9	
	21.1	43.8	24.8	5.7	1.2	.4	.2					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 911

CLIMAT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME MISAWA AB JP YEARS 70-79 OCT 1980-1100
STATION 0442 MONTHS 0000-1100
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.7	1.3	.4								2.9	7.2
NNE		.3	.9	.2		.1						1.6	9.2
NE		.2	.3									.6	6.4
ENE		.2	.2									.4	7.5
E		.4	.3	.2								1.0	7.8
ESE	.1	.4	1.0	.8	.6							2.9	11.0
SE	.1	1.4	1.3	.2								3.1	6.7
SSE	.7	2.1	1.4									4.2	5.7
S	.8	4.6	2.9	.1								8.3	5.9
SSW	.8	5.1	3.4	1.2								10.6	6.7
SW	.4	4.4	2.8	.7	.1							8.4	6.6
WSW	.7	3.9	2.8	1.3			.1					8.3	7.4
W	1.6	3.1	3.6	6.2	.7	1.1						16.4	10.7
WNW	.4	1.2	3.2	3.8	1.2	.3	.1					10.3	11.2
NW	.3	1.3	2.2	2.4	.4							6.8	13.0
NNW	.3	1.4	.6	.1			.1					2.6	5.5
VARBL	8.3	2.4	.3									10.8	2.8
CALM												1.1	
	14.7	33.4	28.1	17.8	3.3	1.6	.3					100.0	7.7

TOTAL NUMBER OF OBSERVATIONS 900

JOINT CLIMATOLOGY BRANCH
USAFETAC
WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 042 NISARA AB JP STATION NAME TELNO 77-79 MONTHS 06-1200-1.00
ALL WEATHER CLASS
OBSERVATION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-15	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.0	1.3	2.7	.5	.1							5.2	7.2
NNE	.1	.7	.8									1.5	3.4
NE	.1	1.4	.9	.4								2.9	7.0
ENE	.4	1.2	.4									1.9	5.8
E		2.5	3.7	.9								7.1	7.8
ESE	.1	2.1	3.4	1.9	.2	.1						7.9	9.2
SE	.1	1.3	3.7	1.5	.1							5.5	8.5
SSE	.1	.8	1.1	.5								2.5	7.8
S	.1	1.2	2.4	.5								4.3	8.2
SSW		.5	.9	.7								2.1	9.1
SW	.1	1.7	1.5	1.8	.1							4.5	9.7
WSW		.5	1.1	2.7	.3	.2	.2					4.3	13.0
W	.2	.9	1.0	2.6	2.1	.4						10.2	13.7
WNW	.3	.7	2.4	2.1	1.9	.2						13.6	12.9
NW	.3	1.7	3.8	5.2	.9	.1						11.2	11.2
NNW	.2	1.2	2.7	.5								4.2	5.0
VARBL	5.6	2.9	.9	.3								9.8	3.8
CALM												.2	
	2.2	21.3	32.1	37.7	5.6	1.1	.2					100.0	9.2

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2
STATION

MISA A AB JP
STATION NAME

77-79
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (LST)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.8	2.7	1.8	.6								5.1	6.5
NNE	.9	.1	.2									1.2	3.9
NE	.2	.7	.6	.2								1.7	6.3
ENE	.2	1.7	.6									2.4	6.1
E	.3	2.0	3.2	.7								5.8	6.7
ESE	.8	3.1	4.5	1.7	.3							10.4	8.0
SE	.9	2.2	3.3	2.2								6.4	7.9
SSE	.3	2.4	3.3	.1								6.2	6.6
S	.6	1.1	2.3	.1								4.1	6.6
SSW	.2	.7	1.2									2.4	7.0
SW	.3	1.4	1.3	1.1	.1							4.3	3.2
WSW	.2	1.1	1.3	1.4	.4							4.5	11.0
W	.2	2.4	3.6	5.0	1.1	.2						12.6	11.0
WNW	.6	1.9	4.4	5.6	1.3	.2						14.0	11.0
NW	.3	1.1	3.5	3.9	.3							9.2	10.0
NNW	.1	1.7	1.5	.4								3.7	7.1
VARBL	1.1	.6										1.7	2.9
CALM												1.4	
	8.0	26.9	36.8	22.7	3.6	.4						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS

907

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAD

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 64452 PISAWA AB JP STATION NAME YEARS 78-79 MONTH OCT
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.7	.1									1.3	3.3
NNE	.5	.1	.1									1.0	3.0
NE	.4		.1	.1								.7	5.3
ENE													
E	1.0	1.0	.5	.3								2.9	6.1
ESE	.4	1.0	.8	.7								2.9	7.8
SE	1.4	1.4	2.2	.8	.1							5.9	6.9
SSE	1.4	3.1	1.1	.2								5.8	5.1
S	3.3	3.7	1.5	.3								8.9	4.6
SSW	1.5	3.3	1.4	.2								6.7	5.1
SW	1.3	4.1	2.1	.5								8.0	5.9
WSW	1.3	3.9	2.5	.8	.3							8.9	6.7
W	3.7	9.3	5.6	2.4	.4							21.5	6.6
WNW	1.5	3.4	3.4	1.4	.3							10.1	7.3
NW	1.3	2.0	2.1	.6								5.6	5.9
NNW	.3	.9	.7	.1								2.0	6.7
VARBL	2.5	.4										3.0	2.4
CALM												5.0	
	23.1	35.3	24.2	8.1	1.2							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

444 2 MISAWA AB JP 70-79 OCT
STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
2100-2500
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.2	.4	.1								.9	7.0
NNE	.2		.2									.4	4.8
NE		.2	.1	.1								.4	7.8
ENE	.2	.1	.3									.7	6.0
E	.2	.2	.1	.4								1.0	9.6
ESE			.1	.3	.1							.6	12.6
SE	.5	.4	.3	.7								2.0	7.3
SSE	1.3	1.9	1.1									4.3	5.1
S	2.6	4.2	1.9	.4								9.1	5.1
SSW	1.9	7.2	2.0	.1								11.1	5.1
SW	3.3	7.2	3.9	.1								14.4	5.3
WSW	5.2	6.5	3.5	.9								16.1	5.3
W	4.4	8.0	4.6	2.6	.9	.1						20.7	6.9
WNW	.8	2.6	2.2	1.0		.2						6.6	7.7
NW	.3	1.8	.6	.2								3.1	6.0
NNW	.1	.4	.4	.1								1.1	6.8
VARBL	3.0	.8										3.7	2.6
CALM												3.5	
	24.2	41.7	22.0	7.2	1.0	.3						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 908

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 13402 STATION NAME MISAWA AB JP YEARS 70-79 MONTH OCT
CLASS ALL WEATHER
CONDITION ALL
HOURS (L.S.T.) ALL

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.9	1.0	.3	.7							2.6	6.7
NNE	.3	.2	.3	.0	.1	.0						.9	6.2
NE	.1	.3	.3	.2	.2	.0	.0					1.0	8.1
ENE	.1	.4	.2	.0	.0							.7	6.3
E	.2	.9	1.0	.4	.1							2.6	7.4
ESE	.3	.9	1.3	.8	.2	.0						3.4	8.8
SE	.5	1.2	1.5	.7	.7							3.9	7.4
SSE	.8	1.8	1.1	.1								3.9	5.6
S	1.8	3.4	2.1	.3								7.6	5.5
SSW	1.7	4.9	2.8	.3								9.7	5.7
SW	1.7	6.0	3.4	.6	.0							11.8	6.0
WSW	2.2	4.7	2.5	1.1	.1	.0	.1					10.7	6.4
W	2.5	5.4	3.7	3.3	.8	.3	.0					16.0	8.2
WNW	.7	1.9	2.7	2.9	.7	.2	.1					9.2	10.0
NW	.5	1.2	1.8	1.6	.2	.0						5.3	9.0
NNW	.2	.9	.6	.2			.0					2.1	6.8
VARBL	4.2	1.3	.2	.1								5.7	2.9
CALM												2.7	
	18.3	36.4	26.9	12.9	2.1	.6	.2					100.0	6.7

TOTAL NUMBER OF OBSERVATIONS 7257

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

044 2 NISAWA AB JP 70-79 NOV
STATION STATION NAME YEARS MONTH
CLASS ALL WEATHER
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.7	.1								1.4	7.0
NNE	.2	.3										.6	4.2
NE		.1										.1	5.0
ENE	.1											.1	2.0
E	.2	.2		.1								.6	4.8
ESE	.1	.2	.1	.1	.3							.9	11.1
SE	.2	.6	.3	.5	.2							2.1	8.5
SSE	.3	1.5	.9									2.7	5.8
S	1.7	3.9	1.5	.3								7.4	5.2
SSW	2.2	9.5	2.7	.5								14.8	5.4
SW	2.2	7.3	2.5	.3	.1							12.4	5.5
WSW	2.1	3.3	2.1	.6	.7	.1						9.0	6.9
W	4.2	9.0	6.7	4.3	.9	.1						25.1	7.4
WNW	.9	2.1	2.5	2.7	.5	.2						8.9	9.4
NW	.5	1.1	1.6	.6		.1						3.9	8.0
NNW	.1	.5	1.1	.3	.1							2.2	8.5
VARBL	3.3	1.0	.3									4.7	3.0
CALM												3.3	
	18.5	41.2	23.1	10.5	2.8	.6						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

4402 STATION MISAWA AB JP STATION NAME 78-79 YEARS NOV NORTH
ALL WEATHER CLASS 0300-1800 HOURS, (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.2	.5									1.3	5.7
NNE	.2	.2										.5	3.6
NE													
ENE	.1		.2									.3	5.3
E	.2	.1	.1	.1								.6	6.0
ESE	.3	.1	.2	.1								.6	6.3
SE	.2	.5	.3	.6	.1							1.7	9.0
SSE	.6	.9	.5	.2								2.2	5.6
S	1.9	3.2	1.6	.2								6.9	5.2
SSW	1.9	9.0	2.6	.2								14.6	5.3
SW	2.5	8.1	4.1	.8								15.5	5.8
WSW	2.3	4.2	3.0	.8	.2	.1						10.6	6.3
W	2.6	6.3	7.1	5.7	.9	.5						23.0	8.7
WNW	1.3	1.6	2.3	2.1	.7	.3						8.2	9.7
NW		1.6	1.8	1.3	.1							5.4	8.2
NNW		.6	.7	.2								1.5	7.5
VARBL	3.0	.8										3.8	2.4
CALM												3.5	
	18.1	33.2	24.9	12.3	2.1	.9						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 878

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

40402 MISAWA AB JP 70-79 NOV
STATION STATION NAME YEARS MONTH
ALL WEATHER CLASS
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.3	.3	.2								1.3	6.4
NNE		.3										.3	4.0
NE	.1		.1									.2	5.0
ENE	.1		.1									.2	4.5
E			.7	.3								1.0	10.2
ESE	.1		.5	.2	.7							1.5	13.2
SE	.1		.1	.2	.1							.7	12.3
SSE	.3	1.7	.7	.2								3.0	6.3
S	2.2	3.2	2.3	.2	.1							8.0	5.4
SSW	2.6	7.3	5.4	.2	.1							15.0	6.0
SW	2.2	6.6	4.2	.2								15.3	5.6
WSW	2.3	4.8	3.7	1.1	.3							12.3	6.5
W	2.4	5.9	6.8	6.2	1.1	.1						22.5	8.9
WNW	1.0	1.7	2.3	1.8	.9	.1	.1					9.0	9.9
NW	.5	.6	1.5	1.0								3.6	8.4
NNW	.1	.2	.6	.1								1.0	7.8
VARBL	2.9	.3										3.2	2.3
CALM												2.3	
	16.6	35.1	29.3	12.3	3.6	.2	.1					100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

-44 2 MISAAA AB JP 70-79 NOV
STATION STATION NAME YEARS MONTH

ALL WEATHER
CLASS

CONDITION

0900-1100
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.6	.6									1.5	5.5
NNE	.2											.2	1.5
NE			.2									.2	2.5
ENE			.3	.1								.5	9.5
E	.2		.5	.5	.2	.1						.5	11.9
ESE		.3	.5	.2	.1	.1						1.3	10.6
SE		.8	.1	.5	.6							1.9	11.1
SSE	.3	1.6	.6	.2								2.7	6.7
S	1.1	3.2	3.4	.3								8.1	6.2
SSW	1.6	3.9	3.7	.6								9.7	6.3
SW	1.6	5.1	3.1	1.1								11.0	6.4
WSW	.9	2.3	2.1	1.8	.7	.1						7.9	9.1
W	1.5	2.6	6.7	8.2	2.5	.1						21.7	10.7
WNW	.8	1.7	3.7	7.7	2.1	.2	.1					15.2	12.0
NW	.5	.7	2.4	2.3	.1	.1						6.1	9.6
NNW		1.5	.5	.3								2.3	7.6
VARBL	4.6	1.4	.1	.1								6.2	2.8
CALM												1.0	
	13.5	25.9	28.3	21.0	6.3	.2	.1					100.0	8.6

TOTAL NUMBER OF OBSERVATIONS 675

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

44 2 MISAWA AB JP 78-79 NOV

STATION STATION NAME YEARS MONTH

ALL WEATHER

CLASS

CONDITION

1200-1400

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	1.6	1.9		.1							3.8	6.6
NNE	.1	.5	.8	.3								1.8	7.6
NE	.2	.5	.3	.1	.1							1.4	6.7
ENE		.7	.5	.2								1.2	7.1
E	.7	2.3	.9	.2	.1	.2						4.4	7.2
ESE		1.6	1.8	1.2	.1							4.2	9.5
SE	.2	1.1	.8	1.2								3.4	8.7
SSE	.2	1.7	.8	.2								2.3	6.6
S	.3	1.2	1.8	.7								4.1	7.6
SSW	.9	.9	1.1	.5								3.4	6.0
SW	.3	.6	1.4	1.9								4.2	9.6
WSW	.1	.5	1.4	3.2	1.1							6.2	12.6
W	.1	.3	2.5	9.5	4.2	.9						17.9	14.2
WNW	.1	.9	4.5	9.2	4.2	.1						19.0	13.0
NW	.2	1.4	2.5	5.3	.9							10.2	11.1
NNW	.2	1.4	2.8	.8	.1							5.3	8.0
VARBL	3.9	2.3	.2	.1								6.5	3.5
CALM												.8	
	8.0	18.6	25.8	34.7	10.9	1.2						153.0	11.2

TOTAL NUMBER OF OBSERVATIONS 885

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0400 MISAWA AB JP YEARS 73-79 NGV NORTH

ALL WEATHER
CLAS

CONDITION

1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	1.3	1.3	.2								2.7	5.3
NNE	1.0	.8	.3	.2	.1							2.5	5.2
NE	.7	.5	.3	.1	.1							1.7	6.1
ENE	.2	.3	.3	.3		.1						1.4	6.7
E	.5	1.5	.3	.3	.1	.1						2.5	7.0
ESE	.6	1.1	1.7	.3	.1							3.2	7.3
SE	.8	2.2	1.6	1.3	.1							5.9	7.4
SSE	.5	1.9	.6	.1								3.1	5.6
S	.9	1.5	1.9	.3								4.7	6.2
SSW	.6	1.3	1.4									3.2	5.8
SW	.3	1.7	1.7	1.0								4.8	7.6
WSW	.2	1.3	2.3	2.3	.2							6.3	9.7
W	1.3	2.1	7.4	7.7	1.6	.5						20.7	10.7
WNW	.6	2.2	5.8	8.9	1.4	.2						19.0	10.9
NW	.6	1.5	4.9	1.4	.2							8.5	8.4
NNW	.5	1.3	1.6	.3								3.6	6.9
VARBL	2.1	1.0										3.1	2.6
CALM												2.1	
	11.6	23.0	33.3	24.9	4.2	.9						100.0	8.4

TOTAL NUMBER OF OBSERVATIONS 678

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

44472 STATION 715444 AB JP 70-79 YEARS NGV NORTH
ALL WEATHER CLASS 1830-2000 HOURS (L.A.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.6	.3									1.4	4.6
NNE		.2	.1	.1	.3							.7	13.6
NE		.1		.1								.2	9.0
ENE	.1	.1	.2									.5	5.0
E	.1	.5	.1	.2								.9	5.3
ESE	.1	.1	.3	.2	.1							.9	9.6
SE	.2	.6	.5	.8								2.1	5.3
SSE	.9	2.8	1.3									5.0	5.2
S	2.4	3.3	2.2	.2								8.1	5.0
SSW	3.7	3.6	1.5	.1								8.2	4.6
SW	2.1	4.6	1.9	.7								9.2	5.6
WSW	2.2	4.1	3.6	1.1								11.0	5.6
W	3.9	5.1	8.1	5.5	.7	.1						26.3	7.7
WNW	.8	2.8	3.6	3.5	.7							11.5	9.2
NW	.6	1.7	1.9	.7	.1							5.0	7.6
NNW	.2	.3	.7	.1								1.4	7.1
VARBL	3.7	1.3										4.2	2.6
CALM												3.4	
	19.9	34.7	26.4	13.4	1.9	.1						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 378

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION MISAWA AB JP STATION NAME 75-79 YEARS MCV
ALL WEATHER CLASS 2100-2300
 COORDINATE NOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.5	.6	.5								1.8	7.1
NNE			.1									.1	1.0
NE	.1											.1	3.0
ENE	.1	.1										.2	3.5
E	.1	.3	.1									.6	4.8
ESE	.1	.1	.3	.2	.5							1.3	11.5
SE	.2	.3	.5	.6								1.6	9.0
SSE	.6	1.8	.6									3.0	4.8
S	1.7	4.6	2.2	.2								8.7	5.5
SSW	2.6	7.9	2.5	.7								13.5	5.3
SW	3.9	7.2	2.2	.6	.1							13.9	5.3
WSW	2.6	4.4	3.7	.8	.5							11.9	6.4
W	3.9	5.6	6.4	5.7	1.1							22.6	6.3
WNW	.8	2.2	3.1	2.5	.5	.3						9.3	9.5
NW	.3	.9	1.6	.5								3.3	7.7
NNW	.1	.5	.6	.2								1.4	7.2
VARB	2.7	.6										3.3	2.7
CALM												3.2	
	20.3	37.0	24.2	12.5	2.5	.3						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 673

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

444 2 MISAWA AB JP 77-79 NOV

STATION STATION NAME YEAR

ALL WEATHER

CLAS

COND

NOV

ALL

MOON (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.7	.7	.1	.1							1.9	6.3
NNE	.2	.3	.2	.1	.1							.5	6.4
NE	.1	.2	.1	.0	.0							.5	6.4
ENE	.1	.2	.2	.1		.0						.6	7.0
E	.3	.5	.3	.2	.1	.1						1.5	7.6
ESE	.2	.4	.7	.3	.2	.0						1.8	9.4
SE	.3	.8	.5	.7	.2							2.4	8.7
SSE	.5	1.7	.7	.1								3.0	7.6
S	1.5	3.0	2.1	.3	.0							7.0	7.6
SSW	1.8	5.5	2.6	.3	.0							10.3	5.5
SW	1.9	5.4	2.6	.8	.0							10.8	6.0
WSW	1.6	3.1	2.7	1.5	.5	.0						9.4	7.6
W	2.5	5.0	6.5	6.6	1.7	.3						22.5	9.4
WNW	.5	1.9	3.5	4.8	1.3	.2	.0					12.5	10.8
NW	.5	1.2	2.3	1.6	.2	.0						5.8	9.0
NNW	.2	.8	1.1	.3	.0							2.3	7.5
VARBL	3.2	1.1	.1	.0								4.4	2.8
CALM												2.5	
	15.8	31.7	26.9	18.1	4.3	.6	.0					100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 7519

GLOBAL CLIMATOLOGY BRANCH
 WFF/FLIAC
 AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

444 2 MISAWA AB JP 69-73 DEC
 STATION STATION NAME YEARS MONTH
 ALL WEATHER
 CLASS
 CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N	.2	.3										.5	4.0
NNE	.1											.1	2.0
NE		.1		.2	.1							.4	12.0
ENE													
E	.1											.1	2.0
ESE													
SE	.2	.2		.1								.5	4.6
SSE	.5	.3	.4	.1								1.4	5.8
S	2.3	4.4	1.3	.2								7.9	5.0
SSW	2.9	5.5	1.8	.4								10.5	5.2
SW	2.3	4.6	3.2	.5	.1							10.4	6.0
WSW	2.5	5.4	4.3	1.3	.2							13.7	6.6
W	2.9	7.5	10.5	3.0	1.6	.4	.1					31.1	9.2
WNW	.8	2.6	3.6	3.0	.8	.3						11.1	9.7
NW	.7	1.1	1.3	.5	.1							3.6	7.8
NNW	.3	.5	.3	.5								1.6	7.4
V. BL	4.1	.9										4.5	2.3
CALM												2.2	
	19.2	33.9	26.5	15.3	3.0	.8	.1					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 0442 MISAWA AB JP STATION NAME 69-78 YEARS DEC MONTH 1950-1951 HOURS (L.S.T.)

ALL WEATHER CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N		.2										.2	5.0
NNE			.1									.1	9.0
NE	.1			.1	.2							.4	13.3
ENE													
E	.1											.1	3.0
ESE	.1											.1	2.0
SE	.6	.1										.7	2.3
SSE	.7	.7	.3									1.7	1.7
S	2.4	4.5	2.7	.1								9.0	5.1
SSW	2.9	5.5	1.9	.2								10.5	5.1
SW	1.9	6.0	2.9	.2								10.9	5.5
WSW	1.3	5.5	3.5	1.3								11.9	6.4
W	2.5	8.2	9.4	9.4	1.5	.7						31.6	9.3
WNW	.9	1.9	3.9	3.9	.8	.4						11.7	10.4
NW	1.0	1.0	.9	.8								3.6	7.2
NNW		.3	.4	.1								.9	7.6
VARBL	2.5	.7										3.3	2.5
CALM												3.2	
	17.3	34.5	25.2	16.1	2.5	1.1						120.0	7.1

TOTAL NUMBER OF OBSERVATIONS 907

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4447- STATION: NISAWA AB JP 69-73 YEARS: DEC MONTH: 3610-7900 HOURS (L.S.T.):

CLASS: ALL WEATHER

CONDITION:

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.2	.1	.1									.4	4.8
NNE													
NE	.2		.1	.1								.4	5.3
ENE			.1									.1	10.0
E		.2	.2	.1								.5	7.8
ESE	.2		.1									.3	4.3
SE			.2									.2	8.0
SSE	.7	.5	.3									1.5	4.7
S	1.4	3.9	2.5	.2								8.1	5.7
SSW	2.7	7.0	2.7	.1	.1							12.0	5.4
SW	2.1	7.5	2.4	.1	.2							12.3	5.5
WSW	1.5	4.5	3.4	1.2								10.6	6.7
W	2.7	7.0	10.4	8.0	1.3	.5						30.0	9.1
WNW	.5	1.9	3.1	3.6	1.1	.2						10.4	10.9
NW	.4	1.2	1.3	.8	.4							4.2	8.9
NNW		.5	.8	.2								1.5	7.9
VARBL	3.9	1.2										5.2	2.6
CALM												2.1	
	16.0	35.6	27.9	14.5	3.2	.8						100.3	7.2

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 44412 STATION NAME MISAWA AB JP YEARS 69-78 MONTH DEC
CLASS ALL WEATHER HOURS (L.S.T.) 1900-1100
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.3	.5	.1								1.1	7.9
NNE	.1	.1										.2	2.5
NE													
ENE		.1										.1	8.7
E	.1			.4	.1							.7	13.0
ESE			.1	.1								.2	10.0
SE		.1	.2									.3	7.3
SSE	.4	.8	.1									1.3	4.5
S	.8	2.8	4.7	.4								8.1	6.8
SSW	1.2	3.6	3.4	.2								8.4	6.2
SW	.3	2.7	3.0	.7								6.7	7.0
WSW	1.4	3.3	4.3	1.9	.1							10.9	7.5
W	1.3	3.5	11.1	13.1	3.3	.4	.1					32.6	11.1
WNW	1.3	2.0	4.9	7.5	1.1	.2						17.1	10.7
NW	.3	1.5	2.3	2.0	.4							6.6	9.2
NNW		.7	.5	.2								1.4	7.8
VARBL	1.9	.7										2.5	2.6
CALM												1.5	
	9.3	22.2	34.5	26.7	5.0	.7	.1					100.0	9.9

TOTAL NUMBER OF OBSERVATIONS 914

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 MISAWA AB JP 69-78 DEC
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.R.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	1.3	.4									2.8	4.5
NNE	.4	.3										.8	3.4
NE		.1										.1	6.3
ENE		.2		.2	.1							.5	11.2
E	.1	.2	.2									.5	3.3
ESE		.7	.1	.2								1.0	7.6
SE	.2		.2	.2								.7	7.3
SSE		.4	.1	.2								.8	7.6
S	.4	3.4	2.8	.8								7.4	7.1
SSW	.1	1.3	1.6	.3								3.4	7.3
SW	.1	.8	1.2	1.0								3.1	9.0
WSW	.4	1.0	2.0	1.5	.3							5.3	9.3
W	.7	2.4	7.2	17.8	4.9	1.5						34.6	12.8
WNW	.4	2.7	7.3	9.8	2.6							23.2	11.2
NW	.5	.9	4.0	3.5	.4	.1						9.5	10.1
NNW	.2	1.3	.9	.5								3.0	7.2
VARBL	1.5	.9		.1								2.5	3.6
CALM												1.2	
	5.0	17.9	28.2	36.3	8.6	1.6						126.0	10.2

TOTAL NUMBER OF OBSERVATIONS 914

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF- WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

044 2 MISAWA AB JP 69-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1500-1700
HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9										1.5	4.0
NNE	.2	.1										.3	3.0
NE	.4	.2	.1									.3	3.3
ENE	.1		.1	.3								.5	11.2
E	.5			.3	.1							1.3	5.4
ESE	.2		.3	.1								.7	7.2
SE	.9	.7	.2									1.8	4.5
SSE	.4	.7	.3									1.4	5.1
S	1.4	2.3	1.6	.5								5.9	5.9
SSW	.4	1.0	1.8	.4								3.6	7.4
SW	.4	1.4	2.2	.9								4.9	7.6
WSW	.7	1.5	1.5	1.6	.1							5.5	8.4
W	1.9	5.6	12.9	11.0	2.5	.5						32.6	10.2
WNW	1.8	3.7	7.0	7.0	1.9	.1	.1					21.6	9.9
NW	1.1	1.5	4.3	1.5	.3							8.8	5.2
NNW	.8	.9	.4	.3								2.4	5.8
VARBL	2.7	.7	.1									3.5	2.5
CALM												3.1	
	14.7	21.4	31.0	24.1	4.9	.7	.1					100.0	8.3

TOTAL NUMBER OF OBSERVATIONS 911

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

4442
STATION

MISAWA AB JP
STATION NAME

69-78
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.5	.1	.1	.1								.9	4.6
NNE	.1			.1								.2	7.3
NE													
ENE				.3								.3	14.7
E	.1		.1	.3								.5	9.2
ESE	.1			.2	.1							.4	12.3
SE		.3	.2									.5	6.2
SSE	.4	1.7	.2									1.6	5.4
S	2.3	4.6	2.3	.1								9.3	5.2
SSW	3.2	3.1	2.2	.3								8.7	5.1
SW	2.1	3.2	2.2	.4								7.8	5.6
WSW	2.1	4.3	2.3	1.3	.2	.1						13.8	6.8
W	2.5	7.8	12.0	7.8	1.6	.7	.3					32.6	9.4
WNW	1.0	4.5	4.8	2.4	.4	.2						13.3	8.3
NW	.8	1.2	1.4	1.0								4.4	7.3
NNW	.1	.7	.1									.9	5.3
VARBL	2.5	.8	.1	.1								3.5	3.2
CALM												4.1	
	17.7	31.9	28.1	14.5	2.4	1.0	.3					100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 916

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 MISAWA AB JP 59-78 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER 2170-2370
CLASS HOURS (L.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N			.1									.1	7.0
NNE													
NE				.1								.1	11.0
ENE													
E			.2	.1								.3	10.7
ESE		.1		.3								.4	11.0
SE		.1										.1	6.0
SSE	.7	1.2	.7									2.5	5.9
S	2.3	4.5	2.2	.1								9.1	5.3
SSW	1.0	5.2	2.3	.2								9.2	5.8
SW	2.1	4.8	2.7	.7		.2						10.5	6.1
WSW	2.2	4.9	5.0	1.3	.1	.3						13.9	7.2
W	4.5	3.9	10.2	6.6	1.2	.5	.1					32.0	8.4
WNW	1.0	3.3	4.1	2.2	.9							11.4	8.5
NW	.6	1.5	.5	.3								3.0	5.2
NNW	.2		.3	.2								.8	8.1
VARBL	3.3	1.1	.1	.1								4.6	3.0
CALM												1.9	
	19.3	35.6	28.5	12.3	2.2	1.1	.1					100.0	7.0

TOTAL NUMBER OF OBSERVATIONS 912

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 44 YISAKA AB JP STATION NAME 69-78 YEARS DEC
ALL WEATHER CLASS ALL MONTH (U.S.T.)
CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.3	.4	.2	.7								.9	5.7
NNE	.1	.1	.0	.0								.2	3.9
NE	.1	.1	.0	.1	.3							.3	7.9
ENE	.0	.0	.0	.1	.7							.2	11.4
E	.1	.1	.1	.2	.3							.5	8.7
ESE	.1	.1	.1	.1	.7							.4	8.3
SE	.2	.2	.1	.0								.6	5.0
SSE	.8	.7	.3	.0								1.5	5.3
S	1.6	3.8	2.4	.3								8.1	8.7
SSW	1.8	4.0	2.2	.3	.7							8.3	5.6
SW	1.4	3.9	2.5	.6	.7	.2						8.3	6.1
WSW	1.5	3.9	3.3	1.4	.1	.1						10.3	7.1
W	2.4	6.4	10.2	15.2	2.3	.7	.1					32.2	10.0
WNW	1.0	2.8	4.6	4.9	1.2	.2	.3					15.0	10.1
NW	.7	1.2	2.0	1.3	.2	.0						5.5	8.5
NNW	.2	.6	.5	.3								1.6	7.1
VARBL	2.8	.8	.0	.0								3.7	2.7
CALM												2.4	
	14.8	29.0	28.7	23.0	4.6	1.0	.1					100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 7297

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

444 2 MISAWA AB JP 69-79

STATION NAME YEARS

ALL WEATHER

CLASS

CONDITION

ALL MONTH ALL HOURS (L.R.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.9	.5	.2	.1	.1						2.4	5.9
NNE	.4	.5	.3	.1	.1	.1						1.3	5.4
NE	.4	.6	.4	.1	.1	.1	.1					1.6	6.3
ENE	.4	.8	.7	.2	.1	.1						2.2	6.8
E	.9	2.1	2.7	1.1	.2	.1	.1	.1				7.1	7.8
ESE	.7	1.8	2.8	2.0	.3	.1	.1	.1				7.6	8.7
SE	.6	1.6	1.7	1.1	.1	.1		.1				5.1	7.9
SSE	.8	1.3	.6	.1	.1	.1						2.7	5.2
S	1.2	2.3	1.4	.3	.1	.1						5.5	5.4
SSW	1.3	2.9	1.6	.3	.1	.1						6.2	5.7
SW	1.4	3.4	2.1	.8	.2	.1						7.9	6.6
WSW	1.5	2.8	2.3	1.5	.4	.1	.1					8.6	7.8
W	2.3	3.8	4.1	4.3	1.3	.4	.1	.1				16.1	9.3
WNW	.9	1.6	2.5	3.2	.9	.2	.1	.1				9.3	10.4
NW	.6	1.0	1.6	1.2	.2	.1						4.6	6.7
NNW	.4	.8	.8	.4	.1	.1	.1					2.4	6.9
VARBL	3.4	.9	.1	.1	.1							4.4	2.7
CALM												4.3	
	18.1	29.1	26.1	17.2	3.7	.8	.1	.1				100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 84768

GLOBAL CLIMATE CLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

5402
STATION

MISAKI AB JP

STATION NAME

69-79

YEARS

ALL

MONTHS

INSTRUMENT

CLASS

CIG 200 TO 1400 FT w/ VSBY 1/2 MI OR MORE,

CONDITION

AND/OR VSBY 1/2 TO 2-1/2 MI w/CIG 200 FT OR MORE

ALL

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.1	1.3	.6	.8	.1							3.3	5.7
NNE	.8	1.0	.5	.2	.1	.7						2.6	6.1
NE	.8	1.3	1.0	.5	.1	.7	.0					3.7	7.1
ENE	.8	1.7	1.4	1.2	.3	.0						5.4	8.2
E	1.4	4.0	5.9	4.4	1.1	.3	.7	.3				17.2	9.3
ESE	1.2	3.7	5.5	5.3	.9	.2	.0	.7				13.1	9.6
SE	.7	2.1	2.9	2.1	.3	.1		.0				6.1	6.8
SSE	.7	1.2	.5	.1	.7							2.6	5.3
S	.9	.6	.2	.0								1.7	3.8
SSW	.6	.6	.2	.0								1.4	4.2
SW	.7	.6	.2	.0								1.5	4.3
WSW	1.0	.8	.8	.4	.0	.3						3.1	6.7
W	2.0	2.2	2.5	3.6	1.2	.4	.1					12.0	9.9
WNW	.9	1.2	1.2	1.8	.7	.2	.0					5.9	10.1
NW	.6	.8	.9	.6	.1							2.9	7.6
NNW	.6	.7	.7	.5	.0							2.3	6.8
VARBL	2.6	.7	.1	.1	.0							3.6	2.7
CALM												6.2	
	17.5	23.7	25.0	21.1	5.0	1.2	.1	.0				100.0	7.7

TOTAL NUMBER OF OBSERVATIONS

11909

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings with the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USN and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those on as where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING FEET	VISIBILITY (STATUTE MILES)													
	> 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	< 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 0
NO CEILING														
> 1800														
> 1500					91.0									92.6
> 1200														
> 1000														
> 900														
> 800														
> 700														
> 600														
> 500										97.4				98.1
> 400														
> 300														
> 200														
> 100														
> 0					97.4		95.9			98.1				100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 97.4%.
Visibility ≥ 2 miles = 95.9%.
Visibility ≥ 1 mile = 98.1%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimum stated in the table may be obtained by subtracting the value given in the table from 100%.
Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

CLUTAL CLIMATOLOGY BRANCH
CLAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION: MISAWA AB JP

7-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-2200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	28.2	30.9	32.1	32.3	32.6	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 20000	30.5	35.1	36.2	36.3	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 18000	30.5	35.1	36.2	36.3	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 16000	30.5	35.1	36.2	36.3	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 14000	30.5	35.1	36.2	36.3	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 12000	31.7	36.3	37.5	37.6	37.8	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9	37.9
≥ 10000	32.4	37.3	38.5	38.6	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥ 9000	32.7	37.6	38.8	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 8000	33.2	38.7	39.9	40.0	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 7000	33.3	38.8	40.0	40.2	40.3	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 6000	33.3	39.1	40.3	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 5000	35.5	42.1	43.3	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 4500	37.9	45.7	46.9	47.0	47.1	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
≥ 4000	41.6	50.6	51.8	52.0	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 3500	44.5	55.5	56.7	57.1	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3000	48.2	62.1	63.9	64.5	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 2500	51.3	68.3	70.9	71.9	72.8	73.0	73.0	73.3	73.4	73.4	73.4	73.5	73.6	73.6	73.6	73.6
≥ 2000	55.5	74.9	78.3	79.5	81.1	81.9	82.4	83.1	83.7	83.8	83.9	84.3	84.3	84.3	84.3	84.3
≥ 1800	56.5	75.1	78.4	79.6	81.2	82.0	82.5	83.5	84.1	84.2	84.3	84.7	84.7	84.7	84.7	84.7
≥ 1500	58.2	77.1	80.7	82.3	84.8	86.0	86.7	88.1	89.0	89.3	89.5	90.0	90.0	90.0	90.0	90.0
≥ 1200	58.2	77.3	80.9	82.5	85.4	86.9	88.0	89.4	90.3	90.8	91.0	91.5	91.5	91.5	91.5	91.5
≥ 1000	58.2	77.7	81.7	83.3	86.3	88.0	89.3	90.9	92.1	92.9	93.2	93.6	93.6	93.6	93.6	93.6
≥ 900	58.2	77.7	81.7	83.3	86.3	88.0	89.3	90.9	92.1	92.9	93.2	93.6	93.6	93.6	93.6	93.6
≥ 800	58.2	77.8	81.8	83.5	86.7	89.5	89.9	91.5	93.0	94.0	94.4	94.8	95.0	95.0	95.0	95.0
≥ 700	58.2	77.9	81.9	83.6	86.9	88.8	90.3	91.6	93.4	94.4	94.7	95.2	95.3	95.3	95.3	95.3
≥ 600	58.3	78.2	82.1	83.8	87.4	89.3	90.8	92.3	93.9	94.8	95.2	95.7	95.8	95.8	95.8	95.8
≥ 500	58.3	78.2	82.1	83.8	87.4	89.3	90.9	92.7	94.4	95.7	96.0	96.5	96.8	97.1	97.1	97.1
≥ 400	58.3	78.2	82.1	83.8	87.4	89.6	91.1	92.9	94.6	96.4	97.1	97.6	97.8	98.3	98.3	98.3
≥ 300	58.3	78.2	82.1	83.8	87.4	89.6	91.1	92.9	95.0	96.6	97.4	98.1	98.3	98.9	98.9	98.9
≥ 200	58.3	78.2	82.1	83.8	87.6	90.2	91.7	93.5	95.7	97.7	98.4	99.2	99.4	100.0	100.0	100.0
≥ 100	58.3	78.2	82.1	83.8	87.6	90.2	91.7	93.5	95.7	97.7	98.4	99.2	99.4	100.0	100.0	100.0
≥ 0	58.3	78.2	82.1	85.6	87.6	90.2	91.7	93.5	95.7	97.7	98.4	99.2	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 834

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

144 2 MISAKA AB JF

75-79

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	28.8	32.2	32.7	33.1	33.2	33.2	33.3	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	30.1	34.6	35.1	35.4	35.6	35.6	35.7	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IN 18000	30.1	34.7	35.2	35.6	35.7	35.7	35.8	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IN 16000	30.1	34.7	35.2	35.6	35.7	35.7	35.8	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IN 14000	30.1	34.7	35.2	35.6	35.7	35.7	35.8	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IN 12000	30.1	34.7	35.2	35.6	35.7	35.7	35.8	36.0	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1
IN 10000	31.1	35.8	36.3	36.6	36.7	36.7	36.9	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IN 9000	31.2	35.9	36.4	36.7	36.9	36.9	37.0	37.2	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3
IN 8000	31.6	37.1	37.7	38.0	38.2	38.2	38.3	38.5	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6
IN 7000	32.1	37.8	38.5	38.9	39.0	39.0	39.1	39.4	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5
IN 6000	32.2	38.0	38.8	39.1	39.2	39.2	39.4	39.6	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7
IN 5000	34.3	41.9	42.6	42.9	43.5	43.5	43.6	43.9	43.9	44.1	44.1	44.1	44.1	44.1	44.1	44.1
IN 4500	36.6	45.7	46.5	47.0	47.1	47.1	47.2	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IN 4000	40.9	51.6	52.4	53.0	53.5	53.5	53.6	53.9	53.9	54.2	54.2	54.2	54.2	54.2	54.2	54.2
IN 3500	42.8	55.9	57.3	58.1	58.7	58.7	58.9	59.1	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2
IN 3000	47.8	63.1	64.8	65.9	66.9	67.2	67.3	67.5	67.5	67.7	67.7	67.7	67.7	67.7	67.7	67.7
IN 2500	52.1	69.7	71.8	72.9	74.6	74.9	75.0	75.2	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
IN 2000	55.9	74.8	78.0	79.8	82.6	83.5	83.9	84.4	84.5	84.8	84.8	84.8	84.8	84.8	84.8	84.8
IN 1800	56.0	75.0	78.2	80.0	82.9	83.7	84.2	84.7	84.8	85.0	85.0	85.0	85.0	85.0	85.0	85.0
IN 1500	57.2	76.8	81.5	82.8	86.4	87.6	88.1	88.7	88.9	89.5	89.5	89.5	89.5	89.7	89.7	89.7
IN 1200	57.2	77.1	80.7	83.1	87.0	88.2	88.8	89.5	89.8	90.4	90.4	90.4	90.4	90.5	90.5	90.5
IN 1000	57.2	77.1	80.9	83.4	87.6	88.9	89.7	90.6	91.1	91.8	92.2	92.2	92.2	92.3	92.3	92.3
IN 900	57.3	77.2	81.3	83.5	87.8	89.1	89.8	90.7	91.2	91.9	92.5	92.5	92.5	92.6	92.6	92.6
IN 800	57.3	77.4	81.3	83.8	88.5	89.8	90.6	91.7	92.3	93.1	93.8	93.9	93.9	94.1	94.1	94.1
IN 700	57.3	77.4	81.3	83.8	88.8	90.2	91.1	92.4	93.0	93.8	94.8	94.9	94.9	95.0	95.0	95.0
IN 600	57.4	77.5	81.5	84.1	89.4	91.0	91.8	93.1	93.7	94.5	95.5	95.7	96.0	96.1	96.1	96.1
IN 500	57.6	77.6	81.6	84.2	89.8	91.4	92.4	93.8	95.0	95.8	96.9	97.1	97.5	97.7	97.7	97.7
IN 400	57.6	77.6	81.6	84.2	89.8	91.4	92.4	93.9	95.4	96.4	97.7	98.0	98.3	98.8	98.8	98.8
IN 300	57.6	77.6	81.6	84.4	90.2	92.0	93.0	94.5	96.1	97.1	98.5	98.8	99.2	99.8	99.8	99.8
IN 200	57.6	77.6	81.6	84.4	90.2	92.2	93.1	94.6	96.2	97.3	98.6	98.9	99.3	99.9	99.9	99.9
IN 100	57.6	77.6	81.6	84.4	90.2	92.2	93.1	94.6	96.2	97.3	98.7	99.0	99.4	100.0	100.0	100.0
IN 0	57.6	77.6	81.6	84.4	90.2	92.2	93.1	94.6	96.2	97.3	98.7	99.0	99.4	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

841

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PISAWA AB JP

78-79 YEARS

JAN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-2800
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2	≥2	≥1 1/2	≥1 1/4	≥1	≥3/4	≥3/8	≥1/2	≥1/4	≥1/8	≥0
NO CEILING	28.2	30.9	31.5	31.9	32.4	32.9	32.9	32.9	33.0	33.3	33.3	33.3	33.3	33.3	33.3	33.3
≥ 20000	30.7	34.9	35.5	35.8	36.3	36.8	36.8	36.8	36.9	36.9	36.9	36.9	36.9	36.9	36.9	36.9
IV 18000	30.8	35.0	35.6	36.0	36.4	36.9	36.9	36.9	37.0	37.0	37.0	37.0	37.0	37.0	37.0	37.0
IV 16000	30.9	35.1	35.7	36.1	36.6	37.0	37.0	37.0	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2
IV 14000	31.3	35.3	36.2	36.6	37.0	37.5	37.5	37.5	37.6	37.6	37.6	37.6	37.6	37.6	37.6	37.6
IV 12000	31.5	36.3	36.9	37.3	37.8	38.2	38.2	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
IV 10000	33.2	37.8	38.4	38.7	39.2	39.7	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 9000	33.6	38.2	38.8	39.2	39.7	40.1	40.1	40.1	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 8000	34.2	39.4	40.0	40.4	40.9	41.3	41.3	41.3	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV 7000	34.2	39.7	40.3	40.6	41.1	41.6	41.6	41.6	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV 6000	34.4	40.3	40.8	41.0	41.5	41.9	41.9	41.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
IV 5000	35.7	42.1	42.8	43.2	43.8	44.3	44.3	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
IV 4500	38.5	46.0	46.8	47.3	48.0	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 4000	41.6	50.5	51.5	52.1	52.8	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.4	53.4
IV 3500	44.6	56.3	57.2	57.8	58.8	59.3	59.3	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
IV 3000	48.1	62.3	63.4	64.0	65.1	65.7	65.7	65.8	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.2
IV 2500	52.3	67.9	70.1	71.1	72.6	73.1	74.0	74.2	74.3	74.3	74.3	74.4	74.4	74.4	74.4	74.6
IV 2000	56.6	73.0	76.6	77.8	80.8	82.1	82.7	83.6	84.1	84.2	84.3	84.5	84.5	84.5	84.5	84.6
IV 1800	56.6	73.0	76.6	77.8	80.8	82.1	82.7	83.6	84.1	84.3	84.5	84.6	84.6	84.6	84.6	84.7
IV 1500	57.8	74.6	78.5	79.9	84.1	85.9	86.9	88.1	88.9	89.5	89.7	89.8	89.8	89.8	89.8	90.0
IV 1200	58.1	74.8	78.7	80.2	84.7	86.5	87.5	88.9	89.7	90.3	90.7	90.8	90.8	90.8	90.8	90.9
IV 1000	58.1	74.9	79.1	80.6	85.5	87.8	88.8	90.6	91.5	92.4	92.7	92.8	92.8	92.8	93.0	93.0
IV 900	58.1	74.9	79.2	81.0	85.9	88.2	89.1	90.9	91.9	92.7	93.1	93.3	93.3	93.3	93.4	93.5
IV 800	58.1	74.9	79.3	81.2	86.4	88.6	89.7	91.5	92.7	93.9	94.3	94.5	94.7	95.2	95.3	95.3
IV 700	58.2	75.0	79.6	81.6	87.2	89.5	90.6	92.4	93.5	94.9	95.5	95.7	95.9	96.4	96.5	96.5
IV 600	58.2	75.0	79.6	81.6	87.2	89.5	90.6	92.4	93.5	95.0	95.6	96.2	96.4	96.9	97.0	97.0
IV 500	58.2	75.0	79.6	81.6	87.5	89.7	90.8	92.7	93.9	95.3	95.9	96.7	96.9	97.6	97.7	97.8
IV 400	58.2	75.0	79.6	81.6	87.5	89.7	90.8	92.8	94.1	95.9	96.5	97.4	97.6	98.6	98.8	99.0
IV 300	58.3	75.1	79.7	81.7	87.7	90.0	91.0	93.2	94.5	96.4	97.1	98.0	98.2	99.2	99.4	99.6
IV 200	58.3	75.1	79.7	81.7	87.7	90.0	91.0	93.2	94.5	96.4	97.1	98.0	98.4	99.4	99.6	100.0
IV 100	58.3	75.1	79.7	81.7	87.7	90.0	91.0	93.2	94.5	96.4	97.1	98.0	98.4	99.4	99.6	100.0
IV 0	58.3	75.1	79.7	81.7	87.7	90.0	91.0	93.2	94.5	96.4	97.1	98.0	98.4	99.4	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 837

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

KISAWA AB JP

STATION NAME

70-79

YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
NO CEILING	32.4	36.2	37.7	37.1	37.5	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8	37.8
≥ 20000	37.6	44.7	44.3	44.9	45.3	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000	38.1	44.5	45.3	45.4	45.8	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 16000	38.6	44.9	45.8	45.9	46.3	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 14000	39.0	45.7	46.5	46.7	47.1	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 12000	40.0	47.0	47.9	48.0	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 10000	40.4	47.9	48.7	48.8	49.5	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 9000	41.2	49.2	50.1	50.2	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 8000	42.5	51.0	51.9	52.0	52.6	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 7000	43.0	52.0	52.9	53.0	53.6	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 6000	43.1	52.3	53.1	53.2	53.8	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 5000	44.6	54.1	55.1	55.2	55.9	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 4500	45.8	55.8	56.8	56.9	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4000	47.9	58.6	59.7	59.8	60.7	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0	61.0
≥ 3500	49.1	61.1	62.4	62.5	63.3	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 3000	50.9	64.6	65.8	65.9	66.9	67.1	67.5	67.7	67.8	67.8	67.8	67.8	67.8	67.8	67.8	67.8
≥ 2500	54.2	69.2	71.1	71.7	73.4	74.2	74.7	75.5	75.8	76.1	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	57.2	73.9	75.6	77.0	79.9	81.0	81.7	83.6	84.2	84.9	85.3	85.5	85.6	85.6	85.6	85.6
≥ 1800	57.4	74.1	75.8	77.1	80.0	81.1	81.9	83.7	84.3	85.0	85.4	85.6	85.7	85.7	85.7	85.7
≥ 1500	58.6	75.3	77.1	78.4	81.6	82.9	83.9	86.1	86.8	87.9	88.6	88.8	88.9	88.9	88.9	88.9
≥ 1200	58.6	75.5	77.3	78.7	81.9	83.2	84.2	86.6	87.6	88.9	89.5	89.8	89.9	89.9	89.9	89.9
≥ 1000	58.6	75.5	77.8	79.2	82.7	84.3	85.5	87.9	89.4	91.0	92.1	92.6	92.7	92.7	92.7	92.7
≥ 900	58.6	75.5	77.8	79.2	82.7	84.5	85.7	88.3	89.8	91.4	92.6	93.1	93.3	93.3	93.3	93.3
≥ 800	58.7	75.6	78.0	79.3	82.9	84.9	86.4	89.0	90.5	92.6	93.9	94.5	94.9	95.5	95.5	95.5
≥ 700	58.7	75.6	78.0	79.4	83.1	85.1	86.8	89.5	91.0	93.2	94.6	95.2	95.6	96.2	96.2	96.2
≥ 600	58.7	75.6	78.0	79.4	83.1	85.1	86.8	89.5	91.0	93.2	94.9	95.6	96.2	96.8	96.8	96.8
≥ 500	58.7	75.6	78.0	79.4	83.2	85.4	87.1	89.8	91.2	93.5	95.4	96.2	97.1	97.9	97.9	97.9
≥ 400	58.7	75.6	78.0	79.4	83.2	85.4	87.2	89.9	91.4	93.7	95.5	96.3	97.2	98.3	98.5	98.8
≥ 300	58.7	75.6	78.0	79.4	83.3	85.5	87.3	90.0	91.5	93.9	96.1	97.1	97.9	99.2	99.3	99.5
≥ 200	58.7	75.6	78.0	79.4	83.3	85.5	87.3	90.0	91.5	94.0	96.3	97.3	98.3	99.4	99.6	99.9
≥ 100	58.7	75.6	78.0	79.4	83.3	85.5	87.3	90.0	91.5	94.0	96.3	97.3	98.3	99.5	99.8	100.0
≥ 0	58.7	75.6	78.0	79.4	83.3	85.5	87.3	90.0	91.5	94.0	96.3	97.3	98.3	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 821

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 125AWA AB JP

YEARS 73-79

MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	25.8	29.6	37.1	35.3	33.7	30.7	30.7	30.7	30.7	30.8	30.8	30.8	30.9	30.9	30.9	30.9
≥ 20000	35.2	37.2	37.7	38.0	38.5	39.5	38.5	38.5	38.5	38.6	38.6	38.6	38.7	38.7	38.7	38.7
≥ 18000	30.7	38.2	38.7	39.3	39.5	39.5	39.5	39.5	39.5	39.6	39.6	39.6	39.7	39.7	39.7	39.7
≥ 16000	31.3	38.8	39.3	39.6	40.1	40.1	40.1	40.1	40.1	40.2	40.2	40.2	40.3	40.3	40.3	40.3
≥ 14000	32.2	39.7	40.2	40.4	41.1	41.1	41.1	41.1	41.1	41.2	41.2	41.2	41.3	41.3	41.3	41.3
≥ 12000	33.3	41.3	41.9	42.0	42.7	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.9	42.9	42.9	42.9
≥ 10000	34.3	42.5	43.0	43.3	43.9	43.9	43.9	43.9	43.9	44.0	44.0	44.0	44.1	44.1	44.1	44.1
≥ 9000	35.2	43.3	43.8	44.0	44.6	44.6	44.6	44.6	44.6	44.8	44.8	44.8	44.9	44.9	44.9	44.9
≥ 8000	36.3	44.5	45.1	45.5	46.6	46.6	46.6	46.6	46.6	46.7	46.7	46.7	46.9	46.9	46.9	46.9
≥ 7000	37.1	46.0	46.6	47.1	48.3	48.3	48.3	48.3	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.6
≥ 6000	37.1	46.1	46.7	47.3	48.6	48.6	48.6	48.6	48.6	48.7	48.7	48.7	48.8	48.8	48.8	48.8
≥ 5000	38.1	47.2	48.1	48.8	50.1	50.2	50.2	50.2	50.3	50.3	50.3	50.3	50.4	50.4	50.4	50.4
≥ 4500	40.1	49.9	50.9	51.7	52.9	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.3	53.3	53.3	53.3
≥ 4000	41.2	52.2	53.3	54.0	55.2	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.6	55.6	55.6	55.6
≥ 3500	43.6	54.9	56.1	57.0	58.4	58.6	58.7	58.7	58.8	58.9	58.9	58.9	59.1	59.1	59.1	59.1
≥ 3000	46.1	58.9	60.5	61.4	63.3	63.5	63.7	63.9	64.0	64.1	64.1	64.1	64.2	64.2	64.2	64.2
≥ 2500	50.9	65.8	68.1	69.5	72.1	73.2	73.7	74.0	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8
≥ 2000	55.2	71.3	74.6	76.6	80.0	81.5	82.5	83.4	84.2	84.5	84.6	84.6	84.7	84.7	84.7	84.7
≥ 1800	55.2	71.3	74.6	76.6	80.0	81.6	82.6	83.5	84.3	84.6	84.7	84.7	84.8	84.8	84.8	84.8
≥ 1600	56.7	73.0	76.4	78.7	82.9	85.1	86.2	87.4	88.5	89.2	89.3	89.5	89.6	89.6	89.6	89.6
≥ 1400	57.1	73.4	76.9	79.4	83.8	86.2	87.3	88.7	90.0	90.5	90.8	91.0	91.1	91.1	91.1	91.1
≥ 1200	57.1	73.5	77.3	79.8	84.7	87.2	88.3	90.0	91.5	92.5	92.7	93.0	93.1	93.2	93.2	93.2
≥ 1000	57.1	73.5	77.3	79.8	84.7	87.2	88.3	90.0	91.5	92.5	92.7	93.0	93.1	93.2	93.2	93.2
≥ 900	57.1	73.5	77.3	79.8	84.7	87.2	88.3	90.0	91.5	92.5	92.7	93.0	93.1	93.2	93.2	93.2
≥ 800	57.2	73.6	77.4	79.9	85.1	87.7	88.9	90.8	92.2	93.6	94.0	94.5	94.8	95.1	95.1	95.1
≥ 700	57.2	73.6	77.4	79.9	85.3	88.0	89.6	91.5	93.0	94.3	94.7	95.2	95.6	95.8	95.8	95.8
≥ 600	57.2	73.6	77.4	79.9	85.3	88.0	89.6	91.5	93.0	94.3	94.7	95.2	95.6	95.8	95.8	95.8
≥ 500	57.3	73.7	77.6	80.0	85.6	88.3	89.9	92.2	93.7	95.3	95.8	96.3	96.9	97.3	97.4	97.4
≥ 400	57.3	73.7	77.6	80.0	85.6	88.3	89.9	92.4	93.8	95.6	96.3	97.0	97.9	98.5	98.8	98.9
≥ 300	57.3	73.7	77.6	80.0	85.6	88.3	89.9	92.4	93.8	95.7	96.5	97.3	98.4	99.3	99.6	99.8
≥ 200	57.3	73.7	77.6	80.0	85.6	88.3	89.9	92.5	94.0	95.8	96.7	97.4	98.5	99.4	99.8	99.9
≥ 100	57.3	73.7	77.6	80.0	85.6	88.3	89.9	92.5	94.0	95.9	96.8	97.5	98.6	99.5	99.9	100.0
≥ 0	57.3	73.7	77.6	80.0	85.6	88.3	89.9	92.5	94.0	95.9	96.8	97.5	98.6	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

44 2
STATION

MISAWA AS JP

STATION NAME

70-79

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.25	≥ 1	≥ .75	≥ .5	≥ .25	≥ .16	≥ .1	≥ 0
NO CEILING	33.2	33.2	33.3	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	33.9	39.4	39.5	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 18000	34.4	39.9	40.0	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
≥ 16000	34.8	40.6	40.7	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 14000	35.5	41.4	41.6	41.8	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥ 12000	36.2	43.2	43.1	43.4	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 10000	37.7	44.5	44.6	44.8	45.0	45.0	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥ 9000	37.9	44.8	45.0	45.3	45.4	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 8000	39.7	47.1	47.3	47.6	47.8	47.8	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥ 7000	40.9	48.4	48.5	48.8	49.0	49.0	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1
≥ 6000	41.2	49.1	49.3	49.7	49.9	49.9	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 5000	42.5	50.9	51.2	51.5	51.9	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 4500	43.9	52.2	52.5	52.9	53.2	53.2	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3
≥ 4000	46.4	55.4	55.7	56.0	56.6	56.6	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 3500	48.5	59.1	59.3	59.7	60.3	60.3	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 3000	52.9	64.4	64.8	65.2	65.9	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 2500	56.7	69.7	70.4	71.4	72.8	73.4	74.0	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	75.0
≥ 2000	59.4	73.6	75.0	76.7	79.2	80.0	81.2	82.5	82.7	83.0	83.1	83.1	83.4	83.4	83.4	83.5
≥ 1800	59.4	73.8	75.1	76.8	79.5	80.2	81.5	82.9	83.2	83.5	83.6	83.6	83.8	84.0	84.0	84.1
≥ 1500	60.9	75.6	77.2	78.9	82.6	83.4	85.2	87.1	87.7	88.1	88.2	88.5	88.8	88.9	88.9	89.1
≥ 1200	61.4	76.2	77.6	79.5	83.2	84.2	86.3	88.5	89.4	89.9	90.0	90.3	90.6	90.8	90.8	90.9
≥ 1000	61.4	76.7	78.1	80.0	83.7	84.8	87.0	89.9	91.4	92.2	92.6	92.8	93.2	93.4	93.4	93.6
≥ 900	61.5	76.8	78.3	80.2	84.1	85.2	87.4	90.3	91.9	92.7	93.1	93.3	93.7	93.9	93.9	94.0
≥ 800	61.5	76.8	78.3	80.2	84.2	85.4	88.1	91.1	92.8	93.8	94.4	94.7	95.0	95.3	95.3	95.4
≥ 700	61.5	76.9	78.4	80.3	84.3	85.5	88.3	91.4	93.2	94.2	94.8	95.0	95.4	95.6	95.6	95.7
≥ 600	61.5	76.9	78.4	80.3	84.4	85.7	88.7	91.7	93.7	94.8	95.5	95.7	96.1	96.5	96.5	96.6
≥ 500	61.5	76.9	78.4	80.3	84.7	85.9	88.9	92.3	94.3	95.5	96.2	96.6	97.3	97.8	98.1	98.2
≥ 400	61.5	76.9	78.4	80.3	84.7	85.9	88.9	92.5	94.4	95.6	96.6	97.3	98.2	98.7	98.9	99.0
≥ 300	61.5	76.9	78.4	80.3	84.7	85.9	88.9	92.6	94.5	96.1	97.2	97.9	98.8	99.3	99.5	99.6
≥ 200	61.5	76.9	78.4	80.3	84.7	85.9	88.9	92.6	94.5	96.2	97.3	98.1	98.9	99.1	99.6	99.8
≥ 100	61.5	76.9	78.4	80.3	84.7	85.9	88.9	92.6	94.5	96.2	97.3	98.1	99.0	99.5	99.8	99.9
≥ 0	61.5	76.9	78.4	80.3	84.7	85.9	88.9	92.6	94.5	96.2	97.3	98.1	99.0	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 823

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISAWA AB JP

YEARS 75-79

MONTH JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2100
HOURS (5)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	31.0	34.4	34.7	34.8	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥20000	33.3	37.6	37.9	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥18000	33.3	37.7	38.0	38.1	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥16000	33.6	38.0	38.2	38.4	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥14000	33.6	38.2	38.5	38.6	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥12000	34.3	39.0	40.1	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥10000	35.8	41.3	41.5	41.7	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
≥9000	36.0	41.5	41.8	41.9	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥8000	37.1	42.6	42.9	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥7000	38.1	43.6	43.9	44.0	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥6000	38.5	44.5	44.7	44.9	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1	45.1
≥5000	42.1	46.4	46.7	46.8	47.4	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥4500	41.8	48.4	48.7	48.8	49.6	49.6	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥4000	44.0	51.2	51.6	51.8	52.8	52.8	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥3500	46.8	55.6	56.3	56.5	57.7	57.7	58.0	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥3000	52.0	60.9	61.5	61.8	63.2	63.2	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥2500	55.4	68.9	70.5	71.0	73.3	73.5	74.1	74.4	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥2000	59.4	74.4	77.5	78.3	82.4	82.7	83.6	83.9	84.4	84.4	84.4	84.4	84.6	84.6	84.6	84.6
≥1800	59.4	74.5	77.6	78.4	82.6	83.0	83.8	84.2	84.7	84.7	84.7	84.7	84.8	84.8	84.8	84.8
≥1500	60.3	75.9	79.2	80.4	85.3	85.7	86.8	88.0	88.5	88.5	88.5	88.5	88.6	88.6	88.6	88.6
≥1200	60.3	76.2	79.7	80.9	86.4	86.9	88.1	89.7	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3
≥1000	60.3	76.3	80.0	81.4	87.5	88.2	89.5	91.7	92.4	92.6	92.8	92.9	93.0	93.0	93.0	93.0
≥900	60.3	76.3	80.0	81.4	87.6	88.4	89.7	91.8	92.6	93.0	93.1	93.3	93.4	93.4	93.4	93.4
≥800	60.3	76.3	80.1	81.5	88.1	88.8	90.6	92.9	93.8	94.4	94.6	94.9	95.1	95.1	95.1	95.1
≥700	60.4	76.5	80.4	81.7	88.4	89.1	90.8	93.3	94.1	94.7	95.1	95.6	95.8	96.0	96.0	96.0
≥600	60.4	76.5	80.4	82.0	88.8	89.7	91.5	94.0	94.9	95.5	95.8	96.4	96.8	96.9	96.9	96.9
≥500	60.4	76.6	80.5	82.1	89.1	90.0	91.8	94.5	95.6	96.2	96.7	97.3	97.7	97.9	98.0	98.0
≥400	60.4	76.7	80.6	82.2	89.2	90.1	91.9	94.7	95.8	96.6	97.2	97.9	98.4	98.7	98.9	98.9
≥300	60.4	76.8	80.8	82.4	89.3	90.2	92.0	94.9	96.0	96.7	97.5	98.3	98.8	99.0	99.3	99.4
≥200	60.4	76.8	80.8	82.4	89.3	90.2	92.0	94.9	96.0	96.7	97.5	98.3	98.8	99.1	99.4	99.5
≥100	60.4	76.8	80.8	82.4	89.3	90.2	92.0	94.9	96.0	96.7	97.5	98.4	99.1	99.5	99.8	99.9
≥0	60.4	76.8	80.8	82.4	89.3	90.2	92.0	94.9	96.0	96.7	97.5	98.4	99.1	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 516

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4477
STATION

WISAWA AB JP

STATION NAME

77-79

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2160-2307
HOURS LST

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.01	≥.005	≥.001
NO CEILING	31.5	34.2	35.0	35.2	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 20000	33.2	37.6	37.9	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2
≥ 18000	33.2	37.9	38.1	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 16000	33.2	37.9	38.1	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 14000	33.5	38.1	38.3	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 12000	34.7	39.8	40.5	40.2	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4	40.4
≥ 10000	35.2	41.3	40.8	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 9000	35.3	41.7	40.9	41.0	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 8000	36.3	42.1	42.4	42.5	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 7000	36.6	42.6	42.9	43.0	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 6000	36.6	43.0	43.2	43.3	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 5000	38.5	45.7	46.7	46.2	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 4500	41.3	49.6	49.9	50.1	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 4000	44.8	53.8	54.2	54.5	54.7	54.7	54.7	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
≥ 3500	47.4	58.2	58.6	58.9	59.2	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
≥ 3000	51.0	64.0	65.1	65.6	66.2	66.2	66.3	66.5	66.5	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 2500	55.1	69.8	71.6	72.4	73.5	73.5	73.7	74.0	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.2
≥ 2000	58.7	74.4	77.7	76.6	80.6	80.8	81.3	82.1	82.5	82.8	83.0	83.0	83.2	83.2	83.2	83.2
≥ 1800	58.7	74.4	77.8	76.9	81.0	81.2	81.8	82.5	83.0	83.3	83.5	83.5	83.6	83.6	83.6	83.6
≥ 1500	59.7	76.1	79.9	81.3	84.9	85.6	86.6	87.7	88.2	88.5	88.8	88.8	88.9	88.9	88.9	88.9
≥ 1200	59.7	76.2	80.0	81.4	85.0	85.7	86.8	88.0	88.8	89.3	89.5	89.5	89.6	89.6	89.6	89.6
≥ 1000	59.8	77.3	81.2	82.7	86.7	87.7	88.9	90.2	91.2	92.2	92.7	92.8	93.0	93.0	93.0	93.0
≥ 900	59.8	77.4	81.3	82.8	86.8	87.8	89.0	90.4	91.3	92.6	93.2	93.3	93.5	93.5	93.5	93.5
≥ 800	59.8	77.7	81.7	83.2	87.3	88.4	89.6	91.3	92.3	93.9	94.7	94.9	95.1	95.1	95.1	95.1
≥ 700	59.8	77.9	81.9	83.4	87.9	89.0	90.2	91.9	93.0	94.7	95.6	95.7	96.0	96.0	96.0	96.0
≥ 600	59.8	77.9	81.9	83.4	87.9	89.0	90.2	91.9	93.0	94.7	95.6	95.7	96.0	96.0	96.0	96.0
≥ 500	59.8	77.9	81.9	83.4	87.9	89.0	90.2	91.9	93.0	94.7	95.6	95.7	96.0	96.0	96.0	96.0
≥ 400	59.8	77.9	82.1	83.5	88.4	89.5	91.1	93.4	94.7	96.9	98.0	98.2	98.4	98.4	98.4	98.4
≥ 300	59.8	77.9	82.1	83.6	88.5	89.7	91.3	93.7	95.1	97.4	98.5	98.7	98.9	99.3	99.4	99.4
≥ 200	59.8	77.9	82.1	83.6	88.5	89.7	91.3	93.7	95.1	97.4	98.5	98.7	98.9	99.3	99.4	99.4
≥ 100	59.8	77.9	82.1	83.6	88.5	89.7	91.3	93.8	95.2	97.6	98.7	98.8	99.3	99.6	99.8	99.8
≥ 0	59.8	77.9	82.1	83.6	88.5	89.7	91.3	93.8	95.2	97.6	98.7	98.8	99.3	99.6	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 819

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ISAKA AB JP

7-79

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
MONTHS

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	29.5	32.3	33.3	33.5	33.8	33.9	33.9	33.7	33.9	34.0	34.1	34.1	34.2	34.0	34.0	34.0
≥ 20000	32.4	37.5	38.1	38.3	38.5	38.6	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	32.0	37.8	38.4	38.6	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000	32.9	38.1	38.6	38.9	39.1	39.2	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
≥ 14000	33.2	38.6	39.1	39.3	39.6	39.7	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 12000	34.1	39.9	40.4	40.6	40.9	41.0	41.0	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥ 10000	35.1	40.9	41.4	41.7	42.0	42.1	42.1	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 9000	35.3	41.4	41.9	42.1	42.5	42.6	42.6	42.6	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 8000	36.3	42.8	43.4	43.6	44.0	44.1	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥ 7000	36.9	43.6	44.2	44.4	44.8	44.9	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥ 6000	37.1	44.0	44.6	44.8	45.2	45.3	45.4	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥ 5000	38.7	46.3	46.9	47.2	47.7	47.8	47.9	47.9	47.9	48.0	48.0	48.0	48.0	48.0	48.0	48.0
≥ 4500	40.3	49.1	49.8	50.2	50.7	50.8	50.9	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 4000	43.6	53.1	53.8	54.2	54.8	54.9	55.0	55.1	55.1	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 3500	45.9	57.1	58.0	58.4	59.2	59.3	59.4	59.5	59.5	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥ 3000	49.3	62.5	63.7	64.3	65.3	65.6	65.8	65.9	66.0	66.0	66.0	66.1	66.1	66.1	66.1	66.1
≥ 2500	53.4	68.8	70.6	71.5	73.1	73.7	74.0	74.4	74.6	74.7	74.7	74.8	74.8	74.8	74.8	74.8
≥ 2000	57.4	73.8	76.7	78.0	80.8	81.7	82.4	83.3	83.8	84.1	84.2	84.3	84.4	84.4	84.4	84.4
≥ 1800	57.4	73.9	76.8	78.2	81.0	81.9	82.6	83.6	84.1	84.3	84.5	84.6	84.6	84.7	84.7	84.7
≥ 1500	58.7	75.5	78.7	80.3	84.1	85.3	86.3	87.7	88.3	88.8	89.0	89.2	89.3	89.3	89.4	89.4
≥ 1200	58.8	75.8	79.7	80.7	84.7	86.0	87.1	88.7	89.5	90.0	90.3	90.4	90.5	90.6	90.6	90.6
≥ 1000	58.8	76.1	79.5	81.3	85.6	87.1	88.4	90.2	91.3	92.2	92.6	92.8	93.0	93.0	93.0	93.1
≥ 900	58.8	76.2	79.6	81.4	85.8	87.3	88.6	90.5	91.6	92.5	93.0	93.2	93.4	93.5	93.5	93.5
≥ 800	58.9	76.3	79.8	81.6	86.2	87.8	89.2	91.2	92.5	93.7	94.3	94.6	94.8	95.0	95.0	95.1
≥ 700	58.9	76.4	79.9	81.7	86.5	88.2	89.7	91.8	93.0	94.3	95.0	95.3	95.6	95.8	95.8	95.8
≥ 600	58.9	76.4	79.9	81.8	86.7	88.4	90.0	92.1	93.4	94.7	95.5	95.9	96.2	96.5	96.5	96.5
≥ 500	59.1	76.5	80.0	81.9	86.9	88.7	90.3	92.7	94.1	95.5	96.3	96.8	97.3	97.7	97.8	97.8
≥ 400	59.1	76.5	80.0	81.9	87.0	88.7	90.4	92.8	94.3	95.9	96.9	97.5	98.0	98.6	98.7	98.8
≥ 300	59.1	76.5	80.0	82.0	87.1	88.9	90.6	93.0	94.6	96.3	97.4	98.0	98.6	99.2	99.4	99.5
≥ 200	59.1	76.5	80.0	82.0	87.1	89.0	90.7	93.1	94.7	96.5	97.6	98.2	98.8	99.5	99.7	99.8
≥ 100	59.1	76.5	80.0	82.0	87.1	89.0	90.7	93.1	94.7	96.5	97.6	98.3	99.0	99.6	99.8	99.9
≥ 0	59.0	76.5	80.0	82.0	87.1	89.0	90.7	93.1	94.7	96.5	97.6	98.3	99.0	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 6602

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

YEARS 75-79

FEES

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5000-7200
FOOT FEET

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	24.4	23.9	29.4	29.7	30.3	33.5	30.6	30.0	30.6	30.5	30.6	30.6	30.6	30.6	30.6	30.6
≥ 20000	26.2	33.9	34.6	34.8	35.5	35.6	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 18000	28.5	34.2	34.8	35.1	35.8	35.9	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 16000	23.5	34.3	35.1	35.2	35.9	36.1	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2	36.2
≥ 14000	26.5	34.6	35.2	35.5	36.2	36.3	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 12000	26.5	34.8	35.5	35.8	36.4	36.6	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7	36.7
≥ 10000	29.4	36.1	36.7	37.0	37.7	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 9000	29.5	36.7	37.4	37.6	38.4	38.5	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7	38.7
≥ 8000	30.5	37.6	38.3	38.5	39.3	39.5	39.7	39.7	39.9	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥ 7000	30.5	37.7	38.4	38.7	39.5	39.6	39.9	39.9	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
≥ 6000	31.0	38.3	38.9	39.2	40.0	40.1	40.4	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 5000	32.3	40.5	40.9	41.2	42.0	42.1	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 4500	34.6	43.3	44.2	44.5	45.3	45.4	45.7	45.7	45.8	45.8	45.8	45.8	45.8	45.8	46.1	46.1
≥ 4000	37.9	47.3	48.3	48.9	49.8	50.2	50.5	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.9	50.9
≥ 3500	40.5	51.7	52.8	53.4	54.3	54.7	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.4	55.4
≥ 3000	44.1	59.2	60.7	61.2	62.1	62.6	62.9	63.3	63.4	63.6	63.8	63.8	63.8	64.1	64.1	64.1
≥ 2500	49.9	66.5	68.2	69.1	71.0	71.5	71.9	72.6	73.3	73.1	73.4	73.4	73.4	73.6	73.6	73.6
≥ 2000	53.1	71.5	73.6	74.8	77.9	78.8	79.5	80.7	81.2	81.5	81.7	81.7	81.7	82.0	82.0	82.0
≥ 1800	53.1	71.5	73.6	74.8	77.9	78.8	79.5	80.7	81.2	81.5	81.7	81.7	81.7	82.0	82.0	82.0
≥ 1500	53.2	71.9	74.7	76.2	79.5	80.7	81.7	83.6	84.2	84.5	84.9	84.9	84.9	85.3	85.3	85.3
≥ 1200	53.4	72.7	75.8	77.2	80.8	82.0	83.2	85.0	85.8	86.2	86.8	86.8	86.8	87.2	87.2	87.2
≥ 1000	53.5	72.8	75.9	77.5	81.2	82.5	83.7	86.0	87.2	87.8	88.6	88.6	88.6	88.9	89.4	89.4
≥ 900	53.5	73.1	76.0	77.6	81.3	82.6	83.8	86.1	87.3	88.1	89.1	89.1	89.1	89.5	90.1	90.1
≥ 800	53.5	73.1	76.3	77.7	81.9	83.3	84.8	87.3	88.5	89.3	90.5	90.5	90.5	91.0	91.5	91.5
≥ 700	53.5	73.1	76.2	77.7	82.1	83.8	85.4	88.1	89.3	90.1	91.5	91.5	91.5	92.1	92.6	92.6
≥ 600	53.5	73.5	76.3	77.9	82.6	84.5	86.1	89.7	91.0	92.1	93.5	93.5	93.5	94.0	94.8	94.8
≥ 500	53.6	73.2	76.6	78.3	83.6	85.4	87.2	91.4	92.8	94.3	96.2	96.2	96.2	96.7	97.5	97.7
≥ 400	53.3	73.4	76.7	78.4	84.1	86.0	87.8	92.1	93.5	95.0	96.8	96.8	96.8	97.4	98.3	98.7
≥ 300	53.8	73.4	76.7	79.4	84.2	86.1	87.9	92.3	94.0	95.5	97.4	97.5	97.5	98.0	98.9	99.3
≥ 200	53.8	73.4	76.7	79.4	84.2	86.1	87.9	92.3	94.0	95.5	97.5	97.5	97.5	98.3	99.2	99.6
≥ 100	53.8	73.4	76.7	79.4	84.2	86.1	87.9	92.3	94.0	95.5	97.5	97.5	97.5	98.3	99.2	99.6
≥ 0	53.8	73.4	76.7	79.4	84.2	86.1	87.9	92.3	94.0	95.5	97.5	97.5	97.5	98.3	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS 755

COASTAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME MISAWA AB JP

70-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-35.00

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	25.5	29.5	29.4	29.8	31.0	30.2	30.1	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2	30.2
≥20000	27.5	32.2	32.6	33.0	33.2	33.2	33.3	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4	33.4
≥18000	27.6	32.5	32.9	33.3	33.4	33.4	33.6	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥16000	27.9	32.9	33.3	33.7	33.8	33.8	34.0	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1	34.1
≥14000	28.0	33.0	33.4	33.8	34.0	34.1	34.1	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2	34.2
≥12000	28.6	34.0	34.4	34.7	34.9	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥10000	29.7	36.1	36.5	36.9	37.0	37.0	37.1	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3
≥9000	30.3	37.4	37.8	38.2	38.3	38.3	38.5	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
≥8000	31.7	38.6	39.0	39.4	39.5	39.5	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥7000	31.7	38.7	39.1	39.5	39.8	39.8	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
≥6000	32.1	39.1	39.5	39.9	40.2	40.2	40.3	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥5000	34.1	41.1	41.5	41.9	42.2	42.2	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥4500	35.0	43.6	44.0	44.4	44.7	44.7	44.8	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0
≥4000	41.0	50.0	50.4	50.9	51.2	51.2	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥3500	42.8	53.4	54.2	54.8	55.0	55.0	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥3000	45.5	59.2	59.9	60.5	61.1	61.3	61.4	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥2500	52.3	67.8	69.9	70.8	72.3	72.7	72.8	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥2000	55.2	72.5	75.6	77.3	80.1	80.8	81.4	82.1	82.2	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥1800	55.2	72.5	75.6	77.3	80.2	81.0	81.7	82.4	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥1500	55.3	73.3	76.9	78.9	82.2	83.4	84.1	85.3	85.8	85.9	85.9	85.9	85.9	85.9	85.9	85.9
≥1200	55.6	73.9	77.7	79.7	83.3	84.5	85.1	86.5	87.1	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥1000	55.7	74.0	77.9	79.8	83.6	85.0	85.8	87.4	88.2	88.5	88.6	88.6	88.6	88.6	88.6	88.6
≥900	55.7	74.0	78.1	80.0	83.7	85.1	85.9	87.5	88.3	88.6	88.7	88.7	88.7	88.7	88.7	88.7
≥800	55.7	74.0	78.2	80.4	84.5	86.2	87.1	89.4	90.2	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥700	55.7	74.0	78.2	80.5	85.1	87.0	88.1	90.6	91.4	91.8	91.9	92.2	92.4	92.6	92.8	93.1
≥600	55.7	74.0	78.2	80.5	85.4	87.3	88.6	91.6	92.6	93.1	93.4	93.8	94.1	94.2	94.4	94.7
≥500	55.7	74.0	78.2	80.5	85.4	87.3	88.6	91.6	92.6	93.1	93.4	93.8	94.1	94.2	94.4	94.7
≥400	55.7	74.0	78.2	80.5	85.4	87.3	88.6	91.6	92.6	93.1	93.4	93.8	94.1	94.2	94.4	94.7
≥300	55.7	74.0	78.2	80.5	85.4	87.3	88.6	91.6	92.6	93.1	93.4	93.8	94.1	94.2	94.4	94.7
≥200	55.7	74.0	78.2	80.5	85.4	87.3	88.6	91.6	92.6	93.1	93.4	93.8	94.1	94.2	94.4	94.7
≥100	55.7	74.0	78.2	80.5	85.4	87.3	88.6	91.6	92.6	93.1	93.4	93.8	94.1	94.2	94.4	94.7
≥0	55.7	74.0	78.2	80.5	85.4	87.3	88.6	91.6	92.6	93.1	93.4	93.8	94.1	94.2	94.4	94.7

TOTAL NUMBER OF OBSERVATIONS 753

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MTSANA AB JP

YEARS 75-79

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	24.5	27.5	28.6	28.9	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6
≥ 20000	29.7	33.7	34.0	35.2	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8	35.8
≥ 18000	29.7	34.1	35.2	35.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 16000	29.7	34.7	35.2	35.4	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥ 14000	30.2	35.3	36.5	36.7	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 12000	32.3	37.8	38.9	39.2	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥ 10000	34.5	40.5	41.7	41.9	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 9000	35.2	41.0	43.0	43.2	43.7	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥ 8000	35.9	43.2	44.4	44.7	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 7000	36.2	44.3	45.4	45.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 6000	36.3	44.4	45.6	45.8	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 5000	38.1	46.6	47.8	48.1	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 4500	39.1	49.3	51.5	51.8	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 4000	42.2	53.3	54.8	55.1	55.7	55.9	56.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 3500	44.3	57.4	59.7	59.0	59.6	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 3000	47.9	62.8	64.3	65.1	65.8	65.9	66.3	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
≥ 2500	52.0	66.2	71.4	72.3	74.3	74.6	74.9	75.2	75.4	75.5	75.8	75.7	75.8	75.9	75.9	76.2
≥ 2000	55.6	74.0	77.7	79.0	82.8	83.3	83.7	84.0	85.0	85.3	85.7	85.8	85.8	86.1	86.1	86.3
≥ 1800	55.7	74.5	77.3	79.6	83.3	83.9	84.2	85.3	85.7	85.9	86.3	86.5	86.5	86.7	86.7	87.3
≥ 1600	56.3	75.4	79.4	81.9	85.3	86.2	86.7	87.9	88.5	88.8	89.5	89.6	89.6	89.8	89.8	90.1
≥ 1400	56.8	75.8	79.8	81.4	86.2	87.2	88.2	89.3	90.0	90.2	90.9	91.1	91.1	91.4	91.4	91.7
≥ 1200	56.8	75.9	80.1	81.9	86.7	87.8	88.8	90.0	90.6	91.1	91.9	92.2	92.3	92.6	92.6	92.8
≥ 1000	56.8	75.9	80.3	82.3	87.1	88.2	89.3	91.3	91.8	92.6	93.5	93.9	94.3	94.3	94.3	94.5
≥ 900	56.8	75.9	80.3	82.3	87.1	88.2	89.3	91.3	92.2	93.1	94.5	94.9	95.1	95.3	95.3	95.6
≥ 800	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 700	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 600	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 500	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 400	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 300	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 200	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 100	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5
≥ 0	56.8	75.9	80.3	82.3	87.2	88.3	89.7	92.1	93.1	94.0	95.4	95.9	96.3	96.2	96.2	96.5

TOTAL NUMBER OF OBSERVATIONS 768

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AL- WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION NAME
MISA-A AB JP

76-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

9.17-11.00
LOCAL TIME

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	25.2	26.9	29.1	29.2	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.6	29.7
≥ 20000	31.9	39.4	39.5	39.6	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4
≥ 18000	32.3	41.2	41.4	41.5	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3
≥ 16000	33.2	41.2	41.4	41.5	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.3
≥ 14000	34.7	43.1	43.2	43.4	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.2
≥ 12000	37.2	45.9	46.1	46.2	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	47.0
≥ 10000	38.7	47.9	48.1	48.2	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	49.0
≥ 9000	39.1	48.3	48.5	48.6	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.4
≥ 8000	40.7	50.2	50.3	50.5	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.3
≥ 7000	41.4	51.1	51.4	51.5	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.3
≥ 6000	41.5	51.3	51.5	51.7	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.5
≥ 5000	42.4	52.9	53.1	53.3	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.1
≥ 4500	44.3	55.6	56.1	56.4	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.2
≥ 4000	46.3	59.3	60.7	60.9	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.6
≥ 3500	47.1	61.3	62.2	62.5	63.3	63.3	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.7
≥ 3000	51.1	67.1	68.4	68.8	69.5	69.5	69.6	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.9
≥ 2500	56.4	74.0	75.0	77.0	79.1	79.4	79.7	79.9	80.5	80.5	80.7	80.7	80.9	80.9	80.9	81.0
≥ 2000	59.2	77.6	80.2	81.3	84.3	84.7	85.1	85.9	86.6	86.7	87.1	87.1	87.3	87.3	87.3	87.4
≥ 1800	59.4	78.3	81.1	82.1	85.1	85.5	85.9	86.7	87.4	87.6	88.0	88.0	88.1	88.1	88.1	88.2
≥ 1500	60.2	79.4	82.3	83.5	87.0	87.7	88.1	89.6	90.4	90.6	91.4	91.6	91.5	92.0	92.1	92.2
≥ 1200	60.2	79.4	82.3	83.5	87.3	88.0	88.4	89.3	90.6	91.3	92.1	92.2	92.6	92.6	92.9	93.0
≥ 1000	60.4	79.7	82.6	83.8	87.7	88.4	89.2	91.0	92.0	92.6	93.4	93.8	94.2	94.4	94.5	94.6
≥ 900	60.4	79.7	82.6	83.8	87.7	88.4	89.2	91.0	92.0	92.6	93.4	93.8	94.2	94.4	94.5	94.6
≥ 800	60.4	79.7	82.6	83.8	87.8	88.5	89.3	91.6	92.6	93.6	94.5	95.0	95.4	95.6	95.7	95.9
≥ 700	60.4	79.8	82.7	83.9	88.1	88.8	89.6	91.8	93.0	94.0	94.9	95.7	96.1	96.3	96.4	96.5
≥ 600	60.4	79.8	82.7	83.9	88.1	88.8	89.6	91.8	93.0	94.0	94.9	95.9	96.4	96.7	96.8	96.9
≥ 500	60.4	79.8	82.9	84.1	88.2	88.9	89.7	92.0	93.2	94.1	95.1	96.1	97.2	97.6	97.7	97.9
≥ 400	60.4	79.8	82.9	84.1	88.4	89.2	90.0	92.5	93.7	94.6	95.7	96.9	98.0	98.3	98.9	99.1
≥ 300	60.4	79.8	82.9	84.1	88.4	89.3	90.1	92.6	93.8	94.8	96.0	97.2	98.3	99.2	99.5	99.6
≥ 200	60.4	79.8	82.9	84.1	88.4	89.3	90.1	92.6	93.8	94.8	96.1	97.3	98.4	99.3	99.7	100.0
≥ 100	60.4	79.8	82.9	84.1	88.4	89.3	90.1	92.6	93.8	94.8	96.1	97.3	98.4	99.3	99.7	100.0
≥ 0	60.4	79.8	82.9	84.1	88.4	89.3	90.1	92.6	93.8	94.8	96.1	97.3	98.4	99.3	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 747

GLOBAL CLIMATOLOGY BRANCH
ETAC
AT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: MISAWA AB JP

7-75

PER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12-14-75

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	19.9	24.4	25.1	25.5	25.7	25.7	25.7	25.7	25.9	25.9	25.9	25.9	25.9	25.9	25.9	25.9
≥2000	26.1	34.2	35.1	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥1800	26.3	35.1	35.8	36.2	36.4	36.4	36.4	36.4	36.5	36.5	36.5	36.5	36.5	36.5	36.5	36.5
≥1600	27.2	35.9	36.7	37.1	37.3	37.3	37.3	37.3	37.5	37.5	37.5	37.5	37.5	37.5	37.5	37.5
≥1400	28.1	36.9	37.7	38.1	38.4	38.4	38.4	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥1200	29.3	39.4	40.7	40.6	40.8	40.8	40.8	40.8	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1
≥1000	31.9	41.0	41.9	42.4	42.7	42.7	42.7	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥900	32.1	41.4	42.4	42.9	43.2	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥800	34.0	44.1	45.1	45.6	45.9	45.9	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥700	35.8	45.4	46.6	47.1	47.3	47.3	47.3	47.3	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥600	36.2	45.8	46.9	47.5	47.7	47.7	47.7	47.7	47.9	47.9	47.9	47.9	47.9	47.9	47.9	47.9
≥500	37.3	47.2	48.4	48.9	49.2	49.2	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥450	39.3	49.8	51.1	51.6	51.9	51.9	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥400	40.7	53.6	55.1	55.7	56.2	56.2	56.2	56.4	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥350	42.1	55.8	57.5	58.3	58.9	59.2	59.2	59.3	59.6	59.6	59.6	59.6	59.6	59.6	59.6	59.6
≥300	47.3	63.2	65.1	65.8	66.7	66.8	67.1	67.1	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥250	51.3	70.6	73.5	74.8	75.3	77.0	77.4	77.9	78.5	78.6	78.9	79.1	79.1	79.1	79.1	79.1
≥200	56.3	77.0	80.1	81.3	84.4	85.6	86.5	87.3	88.2	88.7	88.9	89.1	89.1	89.1	89.1	89.1
≥180	55.6	77.2	80.3	82.1	84.7	85.6	86.7	87.5	88.4	88.9	89.2	89.3	89.3	89.3	89.3	89.3
≥160	57.6	78.9	82.2	83.9	86.9	88.0	89.1	90.2	91.0	91.7	91.9	92.1	92.1	92.1	92.1	92.1
≥140	57.8	79.3	82.6	84.3	87.3	88.6	89.9	90.8	91.8	92.5	92.8	93.0	93.0	93.0	93.0	93.0
≥120	57.5	79.3	82.7	84.4	87.4	88.9	90.5	91.9	93.1	94.0	94.4	94.7	94.8	94.8	94.8	94.8
≥100	57.5	79.3	82.7	84.4	87.4	88.9	90.5	91.9	93.1	94.0	94.5	94.8	94.9	94.9	94.9	94.9
≥80	57.6	79.3	82.7	84.4	87.4	88.9	90.5	91.7	92.5	93.6	94.7	95.7	96.2	96.4	96.4	96.4
≥70	57.6	79.3	82.7	84.4	87.4	88.9	90.5	91.7	92.6	93.8	94.9	96.7	96.6	96.7	96.7	96.7
≥60	57.7	79.6	83.0	84.6	87.8	89.3	91.4	93.1	94.4	95.6	96.6	97.4	97.5	97.5	97.5	97.5
≥50	57.7	79.6	83.0	84.6	87.9	89.5	91.7	93.5	94.8	96.1	97.1	97.9	98.2	98.3	98.3	98.3
≥40	57.7	79.6	83.0	84.9	87.9	89.5	91.7	93.6	94.9	96.2	97.5	98.6	99.1	99.2	99.2	99.2
≥30	57.7	79.6	83.0	84.9	87.9	89.5	91.7	93.6	94.9	96.2	97.5	98.6	99.1	99.5	99.5	99.5
≥20	57.7	79.6	83.0	84.9	87.9	89.5	91.7	93.6	94.9	96.2	97.5	98.6	99.1	99.6	99.6	99.6
≥10	57.7	79.6	83.0	84.9	87.9	89.5	91.7	93.6	94.9	96.2	97.5	98.6	99.1	99.6	99.6	99.6
≥0	57.7	79.6	83.0	84.9	87.9	89.5	91.7	93.6	94.9	96.2	97.5	98.6	99.1	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

769

JOINT CLIMATOLOGY BRANCH
 JAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

WISANA AS JP

75-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING FEET	VISIBILITY STATUTE MILES															
	240	26	28	30	32	34	36	38	40	42	44	46	48	50	52	54
NO CEILING	22.7	23.1	23.5	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6	23.6
N 20000	26.6	33.1	38.5	36.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6	38.6
N 18000	29.7	38.6	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
N 16000	29.6	39.6	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
N 14000	31.3	41.3	41.5	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
N 12000	33.3	43.8	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
N 10000	34.6	45.5	46.7	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
N 9000	34.7	46.0	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
N 8000	35.3	46.7	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
N 7000	37.6	49.7	51.3	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5	51.5
N 6000	37.7	50.2	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
N 5000	39.6	52.2	53.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
N 4500	40.9	53.6	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
N 4000	42.3	56.5	57.3	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
N 3500	43.5	58.3	59.1	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
N 3000	47.9	65.2	66.2	66.5	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6
N 2500	52.3	71.6	73.6	74.0	74.4	74.6	75.0	75.6	75.7	76.0	76.2	76.2	76.2	76.2	76.2	76.2
N 2000	56.2	75.8	78.6	79.4	80.8	81.5	82.4	83.3	83.6	84.1	84.5	84.5	84.5	84.5	84.5	84.5
N 1800	56.3	76.3	79.2	80.0	81.5	82.1	83.0	84.0	84.2	84.8	85.2	85.2	85.2	85.2	85.2	85.2
N 1500	57.4	77.3	80.3	81.3	83.6	84.5	85.5	87.1	87.4	88.0	88.6	88.6	88.6	88.6	88.6	88.6
N 1200	57.8	77.9	81.2	82.3	84.6	85.7	86.9	88.4	88.7	89.5	90.0	90.0	90.0	90.0	90.0	90.0
N 1000	57.8	78.1	81.5	82.8	85.7	86.7	88.0	89.1	90.5	91.3	91.9	92.0	92.0	92.0	92.0	92.0
N 900	57.8	78.1	81.5	82.9	85.8	86.9	88.2	89.3	90.8	91.6	92.2	92.4	92.4	92.4	92.4	92.4
N 800	58.0	78.4	82.1	83.4	86.5	87.6	89.0	91.1	91.6	92.6	93.7	93.8	94.0	94.1	94.1	94.1
N 700	58.0	78.4	82.1	83.4	86.5	87.6	89.0	91.3	91.9	93.0	94.2	94.5	94.6	94.7	94.7	94.7
N 600	58.0	78.4	82.1	83.4	86.5	87.6	89.0	91.5	92.1	93.6	95.0	95.4	95.7	95.9	95.9	95.9
N 500	58.1	78.4	82.1	83.4	86.5	87.6	89.0	91.5	92.4	94.0	95.5	95.9	96.2	96.6	96.6	96.7
N 400	58.1	78.4	82.1	83.4	86.5	87.6	89.0	91.5	92.4	94.0	95.5	96.7	97.4	97.8	97.8	97.9
N 300	58.1	78.4	82.1	83.4	86.5	87.6	89.1	91.6	92.5	94.2	96.5	97.2	98.0	98.5	98.9	99.2
N 200	58.1	78.4	82.1	83.4	86.5	87.6	89.1	91.6	92.5	94.2	96.5	97.4	98.2	99.1	99.5	99.7
N 100	58.1	78.4	82.1	83.4	86.5	87.6	89.1	91.6	92.5	94.2	96.5	97.4	98.2	99.2	99.6	100.0
N 0	58.0	78.4	82.1	83.4	86.5	87.6	89.1	91.6	92.5	94.2	96.5	97.4	98.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 751

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MA

CEILING VERSUS VISIBILITY

44 2 YASAWA AB JP

73-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

18.17-20.11
HOURS 151

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	25.5	37.7	31.3	31.6	31.9	32.0	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 20000	29.3	36.7	37.5	38.2	38.6	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 18000	29.7	37.1	37.9	38.6	39.1	39.1	39.1	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥ 16000	29.9	37.4	38.2	38.8	39.2	39.4	39.4	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6	39.6
≥ 14000	30.2	37.9	38.7	39.4	39.8	39.9	39.9	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 12000	31.0	39.4	40.2	40.8	41.2	41.4	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥ 10000	31.5	40.6	41.4	42.0	42.4	42.6	42.6	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥ 9000	31.3	41.1	41.9	42.6	43.0	43.1	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 8000	33.9	43.8	44.7	45.3	45.7	45.9	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 7000	34.7	45.1	46.0	46.7	47.1	47.2	47.2	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 6000	34.7	45.2	46.1	46.8	47.2	47.3	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
≥ 5000	37.5	48.1	49.2	49.9	50.4	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.8
≥ 4500	39.5	50.3	51.3	52.0	52.5	52.7	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 4000	41.4	53.7	54.9	55.5	56.0	56.6	56.6	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9	56.9
≥ 3500	42.8	55.6	56.8	57.6	58.4	58.5	58.5	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 3000	46.8	61.4	62.8	64.0	64.9	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 2500	51.9	67.3	69.3	70.7	72.3	72.5	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥ 2000	54.9	70.9	73.3	74.9	77.5	78.1	78.2	79.1	79.3	79.4	79.4	79.4	79.4	79.4	79.4	79.4
≥ 1800	55.1	71.5	74.1	75.7	78.5	79.0	79.1	80.1	80.2	80.3	80.3	80.3	80.3	80.3	80.3	80.3
≥ 1500	55.6	73.0	75.7	77.5	81.0	81.6	81.9	83.8	84.0	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 1200	56.3	73.9	76.7	78.9	82.0	83.2	83.6	85.8	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1000	56.8	74.6	77.4	79.5	84.0	85.4	86.6	89.4	90.2	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 900	56.8	74.6	77.5	79.7	84.0	85.8	87.0	89.8	90.6	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	56.8	75.0	78.1	80.2	86.3	87.5	89.1	91.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700	56.8	75.1	78.2	80.3	86.4	88.2	92.0	93.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600	56.8	75.1	78.2	80.3	85.5	86.7	88.4	92.7	93.8	94.9	95.2	95.3	95.6	95.6	95.6	95.6
≥ 500	56.8	75.1	78.2	80.3	85.6	86.8	89.0	93.9	95.1	96.4	96.8	97.1	97.5	97.5	97.5	97.5
≥ 400	56.9	75.3	78.3	80.5	85.8	87.2	89.5	94.5	95.9	97.5	98.0	98.3	98.7	98.8	98.8	98.8
≥ 300	56.9	75.3	78.3	80.5	85.8	87.4	89.8	94.8	96.1	97.7	98.5	98.8	99.2	99.3	99.3	99.3
≥ 200	56.9	75.3	78.3	80.5	85.8	87.4	89.8	94.8	96.1	97.7	98.5	98.8	99.2	99.5	99.6	99.7
≥ 100	56.9	75.3	78.3	80.5	85.8	87.4	89.8	94.8	96.1	97.7	98.7	98.9	99.3	99.6	99.7	100.0
≥ 0	56.9	75.3	78.3	80.5	85.8	87.4	89.8	94.8	96.1	97.7	98.7	98.9	99.3	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 752

GLOBAL CLIMATOLOGY BRANCH
CHAPETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PISAKA AE J

7-79

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21.0-23.0
HOURS (S)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥0.9	≥0.8	≥0.7	≥0.6	≥0.5	≥0
NO CEILING	26.7	31.6	31.9	32.4	32.6	32.8	32.8	33.0	33.0	33.3	33.0	33.0	33.0	33.0	33.0	33.0
≥ 20000	30.2	37.1	37.6	38.3	38.4	38.7	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
IV 18000	31.5	37.5	38.0	38.7	38.8	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 16000	30.5	37.5	38.0	38.7	38.8	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2	39.2
IV 14000	30.7	38.0	38.6	39.2	39.4	39.6	39.6	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
IV 12000	31.1	38.6	39.1	39.6	39.9	40.2	40.2	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3	40.3
IV 10000	32.2	39.9	40.4	41.1	41.2	41.5	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 9000	32.4	40.3	40.8	41.5	41.6	41.9	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
IV 8000	33.1	41.2	41.8	42.4	42.6	42.8	42.8	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0	43.0
IV 7000	33.9	42.3	42.8	43.5	43.6	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 6000	33.9	42.3	42.8	43.5	43.6	43.9	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0	44.0
IV 5000	36.2	44.5	45.1	45.7	45.9	46.1	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
IV 4500	37.6	46.8	47.3	48.0	48.1	48.4	48.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 4000	40.2	51.3	52.3	53.1	53.3	53.6	53.6	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV 3500	41.5	53.7	54.8	55.7	56.1	56.4	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
IV 3000	45.7	60.6	62.2	63.3	64.0	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
IV 2500	51.9	67.4	69.8	71.0	71.9	72.3	72.3	73.0	73.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3
IV 2000	55.2	72.3	75.9	77.5	79.3	79.8	79.9	81.3	81.6	81.8	81.8	81.8	81.8	81.8	81.8	81.8
IV 1800	55.2	72.5	76.1	77.7	79.7	80.2	80.5	81.8	82.2	82.3	82.3	82.3	82.3	82.3	82.3	82.3
IV 1500	55.6	73.5	77.5	79.3	82.8	83.6	84.3	86.3	86.8	87.0	87.0	87.0	87.0	87.0	87.0	87.0
IV 1200	55.6	73.7	77.7	79.4	83.1	84.0	85.0	87.0	87.6	87.8	87.8	87.8	87.8	87.8	87.8	87.8
IV 1000	55.7	73.9	77.9	79.9	84.0	85.2	86.4	88.7	89.9	90.2	90.6	90.6	90.6	90.6	90.6	90.6
IV 900	55.7	74.2	78.2	80.2	84.3	85.5	86.8	89.4	90.6	91.1	91.5	91.5	91.5	91.5	91.5	91.5
IV 800	55.9	74.5	78.6	80.6	85.0	86.2	87.8	91.0	92.3	93.0	93.6	93.6	93.8	93.8	93.8	93.8
IV 700	55.1	74.7	78.9	81.9	85.4	86.7	88.4	91.6	93.2	93.9	94.7	94.7	94.8	94.8	94.8	94.8
IV 600	56.3	74.9	79.7	81.0	85.6	87.0	89.0	92.7	94.3	95.1	96.3	96.3	96.4	96.4	96.5	96.5
IV 500	56.3	74.9	79.7	81.3	86.6	87.9	90.0	94.1	96.0	96.8	98.3	98.3	98.5	98.5	98.7	98.7
IV 400	56.3	74.9	79.7	81.3	86.6	87.9	90.0	94.3	96.1	96.9	98.4	98.4	98.8	99.1	99.2	99.2
IV 300	56.3	74.9	79.7	81.3	86.6	87.9	90.3	94.5	96.4	97.2	98.8	98.8	99.2	99.9	100.0	100.0
IV 200	56.3	74.9	79.7	81.3	86.6	87.9	90.3	94.5	96.4	97.2	98.8	98.8	99.2	99.9	100.0	100.0
IV 100	56.3	74.9	79.7	81.3	86.6	87.9	90.3	94.5	96.4	97.2	98.8	98.8	99.2	99.9	100.0	100.0
IV 0	56.3	74.9	79.7	81.3	86.6	87.9	90.3	94.5	96.4	97.2	98.8	98.8	99.2	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 752

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 : MISAWA AB JP

70-79

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 151

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.75	≥.7	≥.6	≥.5
NO CEILING	24.3	28.6	29.2	29.5	29.8	29.8	29.9	29.9	30.1	30.1	30.0	30.0	30.0	30.0	30.0	30.1
≥ 20000	28.8	35.6	36.3	36.6	37.0	37.1	37.1	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.2	37.3
≥ 18000	29.1	36.1	36.8	37.1	37.5	37.6	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.8
≥ 16000	29.4	36.6	37.2	37.6	37.9	38.0	38.0	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2
≥ 14000	30.2	37.5	38.1	38.5	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1
≥ 12000	31.5	39.2	39.8	40.2	40.5	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.8
≥ 10000	32.8	40.9	41.6	41.9	42.3	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.6
≥ 9000	33.2	41.6	42.3	42.7	43.0	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.3
≥ 8000	34.6	43.3	44.0	44.4	44.8	44.8	44.9	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.0	45.1
≥ 7000	35.2	44.3	45.0	45.4	45.8	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.1
≥ 6000	35.4	44.6	45.3	45.7	46.1	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.4
≥ 5000	37.2	46.6	47.4	47.8	48.2	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.5
≥ 4500	38.9	49.1	49.9	50.3	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	51.0	51.1
≥ 4000	41.5	53.2	54.0	54.6	55.2	55.3	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.7
≥ 3500	43.1	55.9	57.0	57.6	58.1	58.3	58.4	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.6	58.7
≥ 3000	47.0	62.3	63.7	64.4	65.1	65.3	65.4	65.6	65.6	65.6	65.6	65.7	65.7	65.7	65.7	65.8
≥ 2500	52.3	69.2	71.5	72.5	74.0	74.3	74.6	75.1	75.3	75.4	75.6	75.6	75.6	75.6	75.7	75.8
≥ 2000	55.7	74.7	76.9	78.3	80.9	81.6	82.1	83.1	83.5	83.7	84.0	84.0	84.0	84.0	84.1	84.2
≥ 1800	55.9	74.3	77.3	78.7	81.4	82.1	82.6	83.6	84.0	84.3	84.5	84.5	84.5	84.5	84.6	84.7
≥ 1500	56.4	75.4	78.6	80.2	83.5	84.5	85.2	86.7	87.3	87.6	87.9	88.0	88.0	88.1	88.2	88.3
≥ 1200	56.6	75.8	79.7	80.8	84.4	85.4	86.3	87.8	88.5	88.9	89.3	89.4	89.4	89.5	89.6	89.7
≥ 1000	56.8	76.0	79.9	81.2	85.1	86.2	87.4	89.3	90.2	90.8	91.3	91.4	91.6	91.7	91.7	91.8
≥ 900	56.8	76.1	79.6	81.3	85.2	86.4	87.5	89.5	90.4	91.1	91.7	91.8	91.9	92.1	92.1	92.2
≥ 800	56.8	76.2	79.9	81.6	85.7	86.9	88.2	90.6	91.6	92.4	93.2	93.4	93.6	93.7	93.8	93.9
≥ 700	56.9	76.3	79.9	81.7	85.9	87.2	88.6	91.2	92.2	93.1	94.0	94.3	94.5	94.7	94.7	94.8
≥ 600	56.9	76.3	80.0	81.8	86.1	87.4	89.0	91.9	93.0	94.0	95.0	95.0	95.4	95.7	95.9	96.1
≥ 500	56.9	76.4	80.1	81.9	86.4	87.7	89.4	92.7	93.9	95.1	96.3	96.7	97.2	97.5	97.6	97.7
≥ 400	56.9	76.4	80.1	82.0	86.5	88.0	89.7	93.1	94.4	95.6	96.9	97.5	98.0	98.5	98.7	98.8
≥ 300	56.9	76.4	80.1	82.0	86.6	88.0	89.8	93.3	94.6	95.9	97.3	97.9	98.5	99.2	99.4	99.5
≥ 200	56.9	76.4	80.1	82.0	86.6	88.0	89.8	93.3	94.6	95.9	97.3	97.9	98.6	99.3	99.5	99.7
≥ 100	56.9	76.4	80.1	82.0	86.6	88.0	89.8	93.3	94.6	95.9	97.3	98.0	98.6	99.4	99.7	100.0
≥ 0	56.9	76.4	80.1	82.0	86.6	88.0	89.8	93.3	94.6	95.9	97.3	98.0	98.6	99.4	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6058

GLOBAL CLIMATOLOGY ANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
MISAWA AB JP

YEARS
75-79

MAP
NONE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-3200
HOURS PER YEAR

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	22.6	34.3	34.9	35.1	35.5	35.7	36.2	36.5	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6
≥ 20000	33.8	42.5	43.5	44.0	44.5	44.7	45.2	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000	34.3	43.3	44.1	44.5	45.0	45.2	45.8	46.0	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 16000	34.7	43.9	44.9	45.4	45.9	46.1	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 14000	34.7	43.9	44.9	45.4	45.9	46.1	46.6	46.9	47.0	47.0	47.0	47.0	47.0	47.0	47.0	47.0
≥ 12000	35.1	44.2	45.6	46.1	46.6	46.9	47.4	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 10000	35.7	45.0	46.4	46.9	47.5	47.8	48.3	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 9000	36.3	46.6	48.0	48.5	49.2	49.4	49.9	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 8000	37.3	47.3	48.7	49.2	49.8	50.1	50.6	50.8	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥ 7000	37.8	47.9	49.3	49.8	50.4	50.7	51.2	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 6000	38.1	48.5	49.9	50.4	51.1	51.3	51.8	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 5000	40.1	51.3	52.7	53.2	53.9	54.1	54.6	54.9	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	41.3	54.1	55.5	56.1	56.8	57.0	57.5	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 4000	43.9	57.0	58.6	59.3	59.9	60.2	60.7	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 3500	44.6	60.5	62.0	62.7	63.5	63.8	64.3	64.6	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 3000	47.7	65.5	67.9	68.9	70.5	70.7	71.2	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
≥ 2500	51.6	70.3	73.9	75.2	77.4	77.8	78.3	79.5	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1
≥ 2000	53.2	73.6	78.1	79.6	82.8	83.5	84.0	85.8	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800	53.2	73.6	78.1	79.6	82.8	83.5	84.0	85.8	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1500	53.2	73.6	78.1	79.6	82.8	83.5	84.0	85.8	86.2	86.6	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1200	53.5	73.9	78.7	80.7	85.2	86.1	86.8	89.1	89.9	90.2	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1000	53.5	74.0	79.1	81.0	85.8	86.7	87.6	90.1	91.1	91.9	92.0	92.0	92.0	92.0	92.0	92.0
≥ 900	54.1	74.5	79.5	81.5	86.3	87.2	88.1	90.6	91.6	92.4	92.5	92.5	92.5	92.5	92.5	92.5
≥ 800	54.1	74.7	79.6	81.6	86.9	88.0	88.8	91.5	92.8	93.5	93.8	93.8	93.8	93.8	93.8	93.8
≥ 700	54.5	75.0	80.0	82.1	87.5	88.5	89.4	92.0	93.3	94.0	94.3	94.3	94.3	94.3	94.3	94.3
≥ 600	54.5	75.0	80.1	82.4	87.7	88.8	89.7	92.6	94.0	94.9	95.3	95.4	95.4	95.4	95.4	95.4
≥ 500	54.5	75.0	80.1	82.4	87.8	89.0	90.1	93.7	95.1	96.2	96.6	96.7	96.7	96.7	96.7	96.7
≥ 400	54.6	75.3	80.5	82.8	88.5	89.7	91.0	94.8	96.2	97.5	97.8	98.0	98.0	98.1	98.1	98.1
≥ 300	54.6	75.3	80.5	82.8	88.5	89.7	91.0	94.8	96.3	97.6	98.0	98.2	98.2	98.2	98.2	98.2
≥ 200	54.6	75.3	80.5	82.8	88.5	89.7	91.0	94.8	96.3	97.7	98.2	98.5	98.5	98.5	98.5	98.5
≥ 100	54.6	75.3	80.5	82.8	88.5	89.9	91.1	94.9	96.5	97.8	98.5	98.7	99.2	99.5	99.6	100.0
≥ 0	54.6	75.3	80.5	82.8	88.5	89.9	91.1	94.9	96.5	97.8	98.5	98.7	99.2	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 789

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

YEARS 70-79

MAP

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

5300-0500
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	31.4	35.9	36.1	36.5	36.8	37.0	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥ 20000	35.0	43.6	44.4	45.3	45.5	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 18000	35.0	43.6	44.4	45.3	45.5	45.8	45.8	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 16000	35.0	43.7	44.6	45.4	45.7	45.9	45.9	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥ 14000	35.0	44.7	45.5	46.4	46.7	46.9	46.9	47.1	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.3
≥ 12000	37.0	46.5	47.4	48.3	48.5	48.8	48.8	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9	48.9
≥ 10000	37.6	47.3	48.1	49.0	49.3	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 9000	38.5	48.1	49.0	49.9	50.1	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 8000	39.4	49.3	50.4	51.2	51.5	51.7	51.7	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥ 7000	39.6	49.6	50.7	51.6	51.9	52.1	52.1	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 6000	39.7	50.1	51.2	52.1	52.4	52.6	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 5000	41.3	52.4	53.5	54.3	54.6	54.8	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 4500	42.3	54.5	55.6	56.4	56.7	56.9	56.9	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1	57.1
≥ 4000	44.6	57.9	59.1	59.9	60.1	60.4	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 3500	45.3	60.9	62.1	63.0	63.4	63.6	63.6	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 3000	49.1	66.8	68.6	69.6	70.7	71.3	71.3	71.5	71.7	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 2500	53.5	72.0	74.1	75.4	77.7	79.0	79.5	80.4	80.6	80.7	80.8	80.8	80.8	80.8	80.8	80.8
≥ 2000	55.0	74.4	77.0	79.1	82.2	84.2	84.7	85.9	86.3	86.4	86.8	86.8	86.8	86.8	86.9	86.9
≥ 1800	55.1	74.4	77.0	79.1	82.2	84.2	84.7	85.9	86.3	86.4	86.8	86.8	86.8	86.8	86.9	86.9
≥ 1500	55.2	75.0	77.8	80.2	84.0	86.0	86.6	88.1	88.6	88.7	89.1	89.1	89.1	89.1	89.2	89.2
≥ 1200	55.2	75.0	78.0	80.4	84.7	87.0	87.7	89.2	90.3	91.1	91.5	91.5	91.5	91.5	91.6	91.6
≥ 1000	55.6	75.4	78.3	80.8	85.1	87.5	88.2	89.7	90.8	91.6	92.1	92.1	92.1	92.1	92.2	92.2
≥ 900	56.1	75.9	78.8	81.4	86.0	88.5	89.2	91.1	92.2	93.3	93.8	93.8	93.8	93.8	93.9	93.9
≥ 800	56.2	76.0	79.0	81.6	86.3	88.7	89.5	91.3	92.5	93.6	94.2	94.2	94.2	94.2	94.3	94.3
≥ 700	56.2	76.0	79.1	81.7	86.5	89.0	89.7	92.0	93.1	94.4	95.0	95.2	95.2	95.2	95.3	95.3
≥ 600	56.2	76.0	79.1	81.8	86.8	89.4	90.1	92.6	94.3	95.8	96.5	96.7	96.7	96.8	96.9	96.9
≥ 500	56.4	76.2	79.3	82.1	87.4	90.0	90.7	93.7	95.5	97.2	97.9	98.0	98.0	98.5	98.6	98.6
≥ 400	56.4	76.2	79.3	82.1	87.4	90.0	90.7	93.7	95.5	97.2	97.9	98.0	98.0	98.5	98.6	98.6
≥ 300	56.4	76.2	79.3	82.1	87.4	90.0	90.7	93.7	95.5	97.2	97.9	98.0	98.0	98.5	98.6	98.6
≥ 200	56.4	76.2	79.3	82.1	87.4	90.0	90.7	93.7	95.5	97.2	97.9	98.0	98.0	98.5	98.6	98.6
≥ 100	56.4	76.2	79.3	82.1	87.4	90.0	90.7	93.7	95.5	97.2	97.9	98.0	98.0	98.5	98.6	98.6
≥ 0	56.4	76.2	79.3	82.1	87.4	90.0	90.7	93.7	95.5	97.2	97.9	98.0	98.0	98.5	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/YAC

CEILING VERSUS VISIBILITY

STATION ISAAA AB JP

70-70

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2600-0800
HOURS

CEILING FEET	VISIBILITY STATUTE MILE.															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	29.5	34.5	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 20000	34.4	42.9	44.2	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 18000	35.4	44.1	45.5	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7	45.7
IV 16000	35.6	44.5	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
IV 14000	35.2	45.5	46.9	47.3	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2	47.2
IV 12000	37.2	46.9	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
IV 10000	39.5	49.3	51.3	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
IV 9000	40.0	49.9	51.8	52.1	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5
IV 8000	41.1	51.9	53.8	54.4	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8	54.8
IV 7000	41.7	52.7	54.7	55.3	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
IV 6000	41.9	53.2	55.3	55.9	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4	56.4
IV 5000	43.2	56.2	58.5	59.4	61.1	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
IV 4500	44.7	58.7	61.7	61.8	62.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV 4000	46.4	60.8	63.5	64.4	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 3500	47.3	63.3	65.7	66.5	67.6	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
IV 3000	50.4	67.8	71.2	72.1	74.2	74.9	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
IV 2500	53.7	71.8	75.4	76.4	79.5	80.7	81.1	81.3	81.9	82.4	82.7	82.7	82.7	82.7	82.7	82.7
IV 2000	55.2	73.8	77.9	79.4	82.9	84.4	84.7	85.5	86.2	86.8	87.0	87.0	87.0	87.0	87.0	87.0
IV 1800	55.4	73.8	78.1	79.5	83.2	84.6	85.1	85.8	86.4	87.2	87.4	87.4	87.4	87.4	87.4	87.4
IV 1500	55.4	74.3	78.9	80.4	84.0	85.6	86.2	87.0	87.8	88.6	89.1	89.1	89.1	89.1	89.1	89.1
IV 1200	55.6	74.7	79.4	80.8	84.5	86.1	86.8	87.8	88.6	89.5	89.9	89.9	89.9	89.9	89.9	89.9
IV 1000	55.7	75.3	79.8	81.3	85.2	86.8	87.6	88.8	89.1	91.2	91.8	91.8	91.8	91.8	91.8	91.8
IV 900	56.2	75.3	80.0	81.6	85.5	87.0	87.9	89.2	90.4	91.6	92.2	92.2	92.2	92.2	92.2	92.2
IV 800	56.2	75.3	80.0	81.7	85.8	87.5	88.5	89.9	91.2	92.4	93.6	93.8	93.8	93.8	93.8	93.8
IV 700	56.2	75.3	80.0	81.7	85.8	87.5	88.5	89.9	91.3	92.5	93.7	94.2	94.2	94.2	94.2	94.2
IV 600	56.4	75.4	80.1	81.9	86.1	87.8	88.8	90.4	91.8	93.1	94.3	95.2	95.2	95.2	95.2	95.2
IV 500	56.4	75.4	80.2	82.2	86.4	88.4	89.7	91.3	92.7	94.2	95.4	96.2	96.7	97.2	97.2	97.2
IV 400	56.4	75.4	80.2	82.2	86.7	88.7	90.2	92.0	93.6	95.4	96.7	97.7	98.4	98.9	98.9	98.9
IV 300	56.4	75.4	80.2	82.2	86.7	88.7	90.2	92.0	93.6	95.4	96.7	97.7	98.4	98.9	98.9	98.9
IV 200	56.4	75.4	80.2	82.2	86.7	88.7	90.2	92.0	93.6	95.4	96.7	97.7	98.4	98.9	98.9	98.9
IV 100	56.4	75.4	80.2	82.2	86.7	88.7	90.2	92.0	93.6	95.4	96.7	97.7	98.4	98.9	98.9	98.9
IV 0	56.4	75.4	80.2	82.2	86.7	88.7	90.2	92.0	93.6	95.4	96.7	97.7	98.4	98.9	98.9	98.9

TOTAL NUMBER OF OBSERVATIONS 225

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

YEARS 75-79

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1975-1979
HOURS 157

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	27.5	32.3	32.8	32.9	32.9	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0	33.0
≥ 20000	33.3	43.1	44.7	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 18000	34.7	44.2	44.8	44.7	45.1	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 16000	34.3	44.6	45.4	45.6	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	35.3	46.3	47.1	47.3	47.4	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 12000	36.3	47.5	48.4	48.5	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 10000	37.5	49.5	50.5	50.9	51.0	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 9000	37.9	50.1	51.2	51.5	51.6	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 8000	39.1	51.9	53.7	53.6	53.7	53.8	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 7000	39.6	52.7	53.8	54.4	54.6	54.7	54.8	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 6000	41.1	53.1	54.2	54.8	55.2	55.3	55.4	55.7	55.7	55.7	55.7	55.7	55.7	55.7	55.7
≥ 5000	41.4	55.2	56.3	56.9	57.5	57.6	57.7	58.0	58.0	58.0	58.0	58.0	58.0	58.0	58.0
≥ 4500	42.4	56.5	57.7	58.3	59.0	59.1	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 4000	43.7	58.5	59.7	60.4	61.1	61.3	61.6	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 3500	44.8	60.2	61.4	62.1	62.9	63.1	63.3	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 3000	47.9	65.8	67.4	68.1	69.7	69.9	70.4	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 2500	54.3	74.9	77.2	78.3	80.1	80.5	81.1	82.1	82.3	82.3	82.5	82.5	82.5	82.5	82.5
≥ 2000	56.3	78.7	80.4	81.9	84.0	84.5	85.3	86.6	87.1	87.2	87.5	87.5	87.5	87.5	87.5
≥ 1800	57.2	78.4	80.9	82.3	84.5	85.1	85.7	87.1	87.5	87.7	87.9	87.9	87.9	87.9	87.9
≥ 1500	57.7	77.2	81.6	83.1	85.4	86.0	86.7	88.1	88.9	89.0	89.3	89.4	89.5	89.5	89.5
≥ 1200	57.9	79.3	82.1	83.4	85.9	86.6	87.5	88.9	89.8	89.9	90.3	90.4	90.5	90.5	90.5
≥ 1000	57.9	79.4	82.1	83.6	86.1	86.8	87.8	89.3	90.3	90.6	91.1	91.4	91.5	91.5	91.5
≥ 900	58.3	79.9	82.6	84.1	86.6	87.3	88.3	89.8	90.7	91.1	91.6	91.8	92.0	92.0	92.0
≥ 800	58.1	79.9	82.1	84.4	87.0	87.7	88.8	90.6	91.7	92.4	92.9	93.2	93.3	93.4	93.4
≥ 700	58.5	80.0	83.2	84.9	87.6	88.3	89.4	91.2	92.3	93.1	93.5	94.0	94.2	94.3	94.3
≥ 600	58.5	80.0	83.3	85.0	87.7	88.4	89.5	91.4	92.4	93.3	93.9	94.5	94.8	94.9	94.9
≥ 500	58.6	80.1	83.6	85.4	88.3	89.2	90.3	92.3	93.7	94.5	95.5	96.3	96.7	97.0	97.1
≥ 400	58.6	80.1	83.6	85.4	89.0	90.1	91.5	93.9	95.2	96.1	97.2	98.2	98.5	98.6	98.9
≥ 300	58.6	80.1	83.6	85.4	89.0	90.3	91.8	94.4	95.7	96.6	97.8	98.9	99.3	99.5	99.6
≥ 200	58.6	80.1	83.6	85.4	89.0	90.3	91.8	94.4	95.7	96.6	97.8	98.9	99.3	99.5	99.6
≥ 100	58.6	80.1	83.6	85.4	89.0	90.3	91.8	94.4	95.7	96.6	97.8	98.9	99.3	99.5	99.6
≥ 0	58.6	80.1	83.6	85.4	89.0	90.3	91.8	94.4	95.7	96.6	97.8	98.9	99.3	99.5	99.6

TOTAL NUMBER OF OBSERVATIONS 521

OFFICIAL CLIMATOLOGY BRANCH
WATLAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ISAKA AB JP

70-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	22.7	27.1	27.7	27.7	27.8	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9	27.9
≥ 20000	23.6	38.5	39.3	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 18000	29.4	39.7	40.6	40.7	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 16000	29.5	40.1	40.9	41.0	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 14000	30.1	41.0	41.9	42.0	42.2	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 12000	31.8	43.1	44.0	44.1	44.3	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4
≥ 10000	33.2	45.0	45.8	46.0	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 9000	33.6	46.1	46.9	47.0	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 8000	33.9	46.4	47.4	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥ 7000	34.1	47.3	48.3	48.4	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 6000	34.3	47.7	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
≥ 5000	35.2	48.7	49.7	49.8	50.2	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 4500	35.4	49.1	50.2	50.3	50.6	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 4000	37.6	52.1	53.2	53.3	53.6	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 3500	43.4	55.5	56.6	56.7	57.2	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 3000	47.4	59.4	60.6	60.7	61.4	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 2500	54.2	75.0	77.4	77.6	78.5	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0	79.0
≥ 2000	56.1	76.3	81.6	81.9	83.5	84.2	84.5	84.8	85.2	85.5	85.7	85.8	85.9	85.9	85.9	85.9
≥ 1800	56.1	78.5	81.8	82.2	83.7	84.4	84.8	85.1	85.6	85.8	86.0	86.2	86.3	86.3	86.3	86.3
≥ 1500	56.4	79.4	83.7	83.5	85.2	86.0	86.9	87.3	87.8	88.2	88.4	88.5	88.6	88.6	88.6	88.6
≥ 1200	56.9	80.3	83.9	84.4	86.3	87.1	87.9	88.5	89.0	89.3	89.6	89.7	89.8	89.8	89.8	89.8
≥ 1000	57.2	80.5	84.3	84.9	86.9	87.7	88.5	89.2	89.8	90.3	90.5	90.7	91.0	91.1	91.1	91.1
≥ 900	57.2	80.5	84.4	85.1	87.1	87.9	88.7	89.4	90.0	90.5	90.7	91.0	91.2	91.3	91.3	91.3
≥ 800	57.2	80.5	84.5	85.3	87.5	88.3	89.1	89.8	90.5	91.0	91.4	91.7	91.9	92.0	92.0	92.0
≥ 700	57.3	80.7	84.6	85.6	87.8	88.6	89.6	90.3	91.0	91.4	91.9	92.4	92.6	92.8	92.8	92.8
≥ 600	57.4	81.1	85.2	86.4	89.0	89.8	90.7	91.9	93.0	93.6	94.0	94.7	95.0	95.3	95.3	95.3
≥ 500	57.4	81.4	85.3	86.9	89.6	90.5	91.4	92.6	93.8	94.4	95.0	95.9	96.4	96.7	96.7	96.7
≥ 400	57.4	81.4	85.6	87.2	90.2	91.1	92.3	93.6	95.0	95.7	96.2	97.2	97.7	98.4	98.4	98.4
≥ 300	57.4	81.4	85.6	87.2	90.2	91.1	92.3	93.6	95.1	95.9	96.5	97.4	97.9	98.7	98.8	98.8
≥ 200	57.4	81.4	85.6	87.2	90.2	91.1	92.3	93.7	95.3	96.1	96.7	97.7	98.2	99.1	99.4	99.4
≥ 100	57.4	81.4	85.6	87.2	90.2	91.1	92.3	93.7	95.3	96.1	96.7	97.8	98.5	99.5	99.9	100.0
≥ 0	57.4	81.4	85.6	87.2	90.2	91.1	92.3	93.7	95.3	96.1	96.7	97.8	98.5	99.5	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 853

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISANA AB JP

70-79

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1570-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	27.2	31.8	32.1	32.1	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥20000	34.2	43.7	43.9	44.1	44.3	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥18000	34.3	44.5	44.8	44.9	45.1	45.1	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥16000	34.3	45.2	45.5	45.6	45.8	45.8	46.2	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥14000	35.3	46.9	47.2	47.3	47.5	47.5	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥12000	36.2	48.6	48.9	49.1	49.2	49.3	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥10000	37.2	50.1	50.3	50.4	50.7	50.8	50.9	51.0	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥9000	38.1	51.1	51.4	51.5	51.7	51.9	52.3	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥8000	38.9	52.0	52.3	52.5	52.7	52.8	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥7000	39.3	52.8	53.1	53.3	53.5	53.7	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥6000	39.8	53.7	54.2	54.3	54.5	54.6	54.8	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥5000	40.7	55.4	56.1	56.1	56.4	56.6	56.7	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥4500	42.1	57.2	57.8	57.9	58.2	58.4	58.5	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥4000	44.3	61.1	61.6	61.7	62.2	62.3	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥3500	46.9	63.9	64.5	64.6	65.1	65.2	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥3000	50.9	70.3	70.9	71.1	71.6	72.1	72.2	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥2500	57.5	78.5	79.5	80.1	80.7	81.2	81.6	81.9	81.9	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥2000	59.3	81.6	83.0	83.6	84.5	85.3	85.8	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥1800	59.3	81.6	83.7	83.6	84.5	85.3	85.8	86.2	86.3	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥1500	59.4	82.7	84.1	84.8	86.0	86.6	87.6	88.2	88.3	88.6	88.7	88.8	88.8	88.8	88.8	88.8
≥1200	59.8	83.2	84.7	85.6	86.8	87.6	88.6	89.3	89.4	89.7	89.8	89.9	89.9	89.9	89.9	89.9
≥1000	61.1	83.4	85.1	85.9	87.5	88.3	89.3	90.5	90.6	91.5	91.7	91.8	91.8	91.8	91.8	91.8
≥900	61.1	83.4	85.2	86.1	87.6	88.4	89.4	90.6	90.7	91.6	91.8	91.9	92.1	92.1	92.1	92.1
≥800	61.0	83.4	85.2	86.1	87.8	88.7	89.7	91.1	91.2	92.3	92.5	92.7	92.8	92.8	92.8	92.8
≥700	61.1	83.5	85.3	86.3	88.6	89.7	90.6	91.9	92.2	93.3	93.5	93.6	93.7	93.7	93.7	93.7
≥600	61.3	83.6	85.4	86.4	88.9	90.1	91.1	92.4	92.6	94.0	94.3	94.6	94.8	94.8	94.8	94.8
≥500	61.3	83.6	85.4	86.6	89.4	90.6	91.7	93.1	93.5	94.7	95.3	95.5	95.8	96.0	96.0	96.0
≥400	61.3	83.6	85.4	86.6	89.8	91.1	92.2	93.7	94.5	95.7	96.8	97.4	97.6	98.1	98.2	98.2
≥300	61.3	83.6	85.4	86.6	89.9	91.2	92.3	93.9	94.6	95.8	96.9	97.6	97.8	98.3	98.6	98.6
≥200	61.3	83.6	85.4	86.6	89.9	91.2	92.3	94.0	94.7	95.9	97.1	97.8	98.1	98.6	99.0	99.0
≥100	61.3	83.6	85.4	86.6	89.9	91.2	92.3	94.0	94.7	95.9	97.2	98.0	98.2	98.7	99.4	99.6
≥0	61.3	83.6	85.4	86.6	89.9	91.2	92.3	94.1	94.7	95.9	97.2	98.0	98.2	98.7	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 831

CENTRAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISANA AB JP YEARS 76-79 MONTH MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-2 1971-15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	33.3	38.4	39.1	39.4	39.8	39.9	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1	40.1
IV 20000	39.7	49.7	50.7	50.4	51.7	51.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
IV 18000	47.4	49.9	51.1	51.3	51.8	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 16000	47.9	50.6	51.7	52.1	52.6	52.7	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9	52.9
IV 14000	51.4	51.8	53.7	52.4	53.9	54.7	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
IV 12000	42.3	53.6	54.9	55.2	55.7	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 10000	43.4	54.9	56.3	56.8	57.3	57.4	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 9000	44.3	56.1	57.5	58.0	58.5	58.6	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
IV 8000	45.4	57.9	59.5	60.0	60.5	60.6	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
IV 7000	46.5	59.4	60.9	61.4	61.9	62.0	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
IV 6000	46.7	59.6	61.2	61.7	62.2	62.3	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7	62.7
IV 5000	47.4	60.7	62.3	62.8	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
IV 4500	48.5	62.4	64.7	64.9	65.1	65.2	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
IV 4000	50.9	66.1	68.1	68.7	69.5	69.6	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 3500	52.4	68.7	70.8	71.4	72.3	72.4	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7	72.7
IV 3000	55.7	73.8	76.6	77.4	78.5	78.7	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
IV 2500	58.3	76.9	79.8	81.0	82.5	82.8	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
IV 2000	60.3	79.4	82.7	84.3	86.5	87.0	87.3	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
IV 1800	60.3	79.4	82.7	84.3	86.5	87.1	87.5	88.2	88.3	88.3	88.3	88.3	88.3	88.3	88.3	88.3
IV 1500	60.3	79.4	83.1	84.7	87.3	88.3	88.3	89.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
IV 1200	61.5	79.6	83.3	84.9	88.0	88.6	88.9	90.0	90.3	90.5	90.8	90.8	90.8	90.8	90.8	90.8
IV 1000	60.6	80.3	83.9	85.5	88.9	89.7	92.0	91.1	91.6	92.0	92.2	92.2	92.2	92.2	92.2	92.2
IV 900	61.2	80.3	84.3	85.9	89.3	90.3	90.4	91.5	92.0	92.3	92.6	92.6	92.6	92.6	92.6	92.6
IV 800	61.7	80.8	84.9	86.5	89.9	90.8	91.1	92.3	92.8	93.2	93.4	93.4	93.4	93.4	93.4	93.4
IV 700	61.7	80.8	85.3	87.4	90.6	91.7	92.1	93.3	93.9	94.2	94.4	94.5	94.5	94.5	94.5	94.5
IV 600	61.8	80.9	85.4	87.2	91.0	91.9	92.6	93.8	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 500	61.8	80.9	85.4	87.2	91.1	91.9	92.6	93.1	94.6	95.3	95.9	96.4	96.6	96.6	96.6	96.6
IV 400	61.8	80.9	85.4	87.2	91.1	92.3	93.1	94.9	95.6	96.2	96.8	97.1	97.2	97.3	97.3	97.3
IV 300	61.8	80.9	85.4	87.2	91.1	92.5	93.2	95.0	95.7	96.8	97.4	97.7	97.8	97.9	97.9	98.1
IV 200	61.8	80.9	85.4	87.2	91.1	92.6	93.3	95.4	96.2	97.4	98.2	98.4	98.6	99.0	99.1	99.3
IV 100	61.8	80.9	85.4	87.2	91.1	92.6	93.3	95.4	96.2	97.6	98.5	98.8	99.3	99.5	99.6	100.0
IV 0	61.8	80.9	85.4	87.2	91.1	92.6	93.3	95.4	96.2	97.6	98.5	98.8	99.3	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 822

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR STATION SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: ISAAB AB JP

7-79

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2120-2300
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	23.3	39.3	47.2	40.4	40.7	40.7	40.7	40.9	40.9	40.9	40.9	40.9	40.9	41.0	41.1	41.1
≥20000	38.1	45.3	47.3	47.8	43.1	48.1	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.4	48.4
≥18000	39.7	46.4	47.9	48.4	43.6	48.5	48.6	48.9	48.9	48.9	48.9	48.9	48.9	49.0	49.1	49.1
≥16000	38.3	46.3	43.3	48.3	49.7	49.1	49.1	49.1	49.4	49.4	49.3	49.3	49.3	49.4	49.4	49.4
≥14000	38.9	46.9	48.4	42.9	49.1	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5	49.5
≥12000	39.5	48.0	49.9	50.4	51.6	51.6	51.6	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9	51.9
≥10000	39.3	48.5	53.4	50.9	51.2	51.2	51.2	51.5	51.5	51.5	51.5	51.5	51.5	51.6	51.6	51.6
≥9000	41.0	50.4	52.2	52.7	53.1	53.1	53.1	53.4	53.4	53.4	53.4	53.4	53.4	53.5	53.5	53.5
≥8000	41.4	51.7	54.0	54.5	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.2	55.2	55.2
≥7000	43.1	52.6	54.9	55.3	55.7	55.7	55.7	56.0	56.0	56.0	56.0	56.0	56.0	56.1	56.1	56.1
≥6000	43.2	52.7	55.1	55.6	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.3	56.3	56.3
≥5000	44.9	55.3	57.3	58.1	58.3	58.3	58.5	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.0
≥4500	45.6	56.3	59.1	59.7	61.1	61.2	61.3	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.8
≥4000	49.3	61.1	62.3	62.9	63.3	63.3	63.4	63.6	63.9	63.9	63.9	63.9	63.9	64.1	64.1	64.1
≥3500	48.9	62.9	65.4	66.3	66.4	66.5	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.2	67.2	67.2
≥3000	51.9	67.9	71.4	72.1	73.3	73.5	73.8	74.4	74.4	74.4	74.4	74.4	74.4	74.6	74.6	74.6
≥2500	55.2	71.8	76.2	77.0	79.6	79.1	79.5	81.1	81.2	81.3	81.3	81.3	81.3	81.7	81.7	81.7
≥2000	58.2	75.6	80.2	81.2	83.7	84.5	84.8	85.8	86.2	86.3	86.7	86.7	86.7	86.8	86.9	86.9
≥1800	58.2	75.6	80.2	81.2	83.8	84.6	85.1	86.1	86.4	86.6	86.9	86.9	86.9	87.1	87.2	87.2
≥1500	58.3	76.7	81.7	81.8	84.7	85.6	86.3	87.4	87.8	88.2	88.6	88.6	88.6	88.7	88.8	88.8
≥1200	58.5	76.1	82.8	82.0	85.1	86.1	86.8	87.9	88.3	88.7	89.1	89.1	89.1	89.2	89.3	89.3
≥1000	59.1	77.1	82.1	83.3	86.8	87.8	88.6	89.8	90.2	90.5	90.7	90.9	91.0	91.2	91.2	91.2
≥900	59.3	77.4	82.3	83.6	87.1	88.3	89.1	90.4	90.8	91.3	91.7	91.7	91.7	91.8	91.9	91.9
≥800	59.5	77.7	83.0	84.2	87.7	89.1	89.8	91.7	92.4	92.9	93.3	93.3	93.3	93.4	93.5	93.5
≥700	59.5	78.1	83.5	84.7	89.4	89.8	90.5	92.8	93.5	94.0	94.4	94.4	94.4	94.5	94.8	94.9
≥600	60.0	78.2	83.8	85.1	89.1	90.4	91.3	93.8	94.7	95.3	95.6	95.9	96.1	96.3	96.3	96.3
≥500	60.1	78.4	84.0	85.2	89.3	90.7	91.8	94.7	95.8	96.4	96.8	97.0	97.4	97.5	97.5	97.5
≥400	60.1	78.4	84.0	85.2	89.4	90.8	92.3	95.4	96.8	97.4	97.8	98.0	98.8	98.9	98.9	98.9
≥300	60.1	78.4	84.0	85.2	89.6	91.9	92.4	95.6	97.0	97.6	98.0	98.3	99.1	99.5	99.5	99.5
≥200	60.1	78.4	84.0	85.2	89.6	91.9	92.4	95.6	97.0	97.6	98.0	98.3	99.1	99.5	99.5	99.5
≥100	60.1	78.4	84.0	85.2	89.6	91.9	92.4	95.6	97.0	97.6	98.0	98.3	99.1	99.5	99.5	99.5
≥0	60.1	78.4	84.0	85.2	89.6	91.9	92.4	95.6	97.0	97.6	98.0	98.3	99.1	99.5	99.5	99.5

TOTAL NUMBER OF OBSERVATIONS 804

LOCAL CLIMATOLOGY BRANCH
ETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME ISALA AB JP

75-79

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	29.1	34.2	34.7	34.9	35.1	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥20000	34.6	43.6	44.5	44.6	45.1	45.2	45.4	45.4	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
≥18000	35.1	44.4	45.3	45.7	45.9	46.1	46.2	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥16000	35.4	44.9	45.9	46.2	46.5	46.6	46.7	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥14000	35.9	45.9	46.3	47.2	47.5	47.6	47.7	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8	47.8
≥12000	36.6	47.3	48.4	48.6	49.0	49.2	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥10000	38.7	48.7	49.9	50.3	50.6	50.7	50.8	50.9	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
≥9000	38.3	49.3	51.0	51.4	51.7	51.9	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥8000	39.6	51.1	52.4	52.8	53.2	53.3	53.4	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6
≥7000	40.1	51.9	53.2	53.7	54.0	54.2	54.3	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥6000	40.5	52.5	53.7	54.2	54.6	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥5000	41.7	54.4	55.3	56.3	56.8	56.9	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥4500	42.8	56.1	57.5	58.1	58.6	58.8	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥4000	44.9	59.2	61.7	61.3	61.9	62.1	62.3	62.4	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥3500	46.3	61.9	63.5	64.1	64.8	65.0	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥3000	50.1	67.9	70.1	70.8	72.0	72.3	72.6	72.9	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
≥2500	54.9	73.9	76.7	77.6	79.4	80.0	80.4	81.0	81.3	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥2000	56.8	76.9	80.1	81.4	83.8	84.6	85.2	86.1	86.4	86.7	86.9	86.9	86.9	86.9	86.9	86.9
≥1800	56.5	77.0	80.3	81.5	83.9	84.8	85.4	86.3	86.7	86.9	87.1	87.2	87.2	87.2	87.2	87.2
≥1500	57.1	77.9	81.0	82.4	85.2	86.2	86.9	87.9	88.4	88.7	89.0	89.1	89.1	89.1	89.1	89.1
≥1200	57.4	77.8	81.4	82.8	85.8	86.6	87.6	88.8	89.3	89.7	90.0	90.0	90.0	90.0	90.0	90.0
≥1000	57.6	78.1	81.8	83.3	86.5	87.6	88.4	89.8	90.5	91.1	91.5	91.5	91.5	91.5	91.5	91.5
≥900	57.9	78.4	82.1	83.6	86.8	88.0	88.8	90.2	90.9	91.5	91.9	92.0	92.0	92.0	92.0	92.0
≥800	58.7	78.6	82.4	83.9	87.3	88.6	89.4	91.0	91.8	92.6	93.0	93.2	93.3	93.4	93.4	93.4
≥700	58.2	78.7	82.6	84.3	87.8	89.1	89.9	91.6	92.5	93.2	93.7	94.0	94.0	94.2	94.2	94.2
≥600	58.3	78.8	82.8	84.5	88.2	89.6	90.4	92.3	93.2	94.1	94.7	95.1	95.2	95.3	95.4	95.4
≥500	58.3	78.9	82.9	84.7	88.6	90.0	91.0	93.1	94.2	95.2	95.9	96.4	96.6	96.6	96.9	96.9
≥400	58.4	79.0	83.0	84.9	89.0	90.5	91.7	94.0	95.3	96.4	97.1	97.7	98.0	98.3	98.4	98.4
≥300	58.4	79.0	83.0	84.9	89.0	90.5	91.8	94.1	95.5	96.6	97.4	98.0	98.4	98.8	98.9	98.9
≥200	58.4	79.0	83.0	84.9	89.0	90.6	91.8	94.3	95.7	96.9	97.7	98.3	98.8	99.3	99.4	99.5
≥100	58.4	79.0	83.0	84.9	89.0	90.6	91.9	94.3	95.7	96.9	97.9	98.5	99.0	99.5	99.8	99.8
≥0	58.4	79.0	83.0	84.9	89.0	90.6	91.9	94.3	95.7	96.9	97.9	98.5	99.0	99.5	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 5553

GLOBAL CLIMATOLOGY BRANCH
 AFETAC
 AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAAA AB JP YEAR 7-79 SP2

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0
NO CEILING	29.7	37.3	39.3	39.5	47.7	43.7	40.7	40.9	40.9	40.9	40.9	40.9	40.9	47.9	41.2	47.9
≥20000	36.4	48.9	51.3	52.1	57.3	53.3	53.3	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7
≥18000	36.4	48.9	51.3	52.1	53.3	53.3	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7
≥16000	36.4	48.9	51.3	52.1	53.6	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0
≥14000	38.3	51.3	53.7	54.4	55.7	55.7	55.7	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥12000	39.1	52.7	55.5	56.1	57.5	57.5	57.5	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.8
≥10000	41.7	55.1	58.9	59.6	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.3	61.5
≥9000	42.5	57.3	60.1	60.6	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.7
≥8000	43.9	59.1	62.1	62.3	64.3	64.3	64.3	64.8	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.3
≥7000	44.4	60.1	63.2	64.1	66.4	66.4	66.4	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.9
≥6000	44.9	61.3	63.5	64.4	66.7	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.2
≥5000	46.3	62.4	65.6	66.7	69.2	69.2	69.2	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.7
≥4500	46.7	62.8	66.3	67.3	69.9	69.9	69.9	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.4
≥4000	46.3	63.2	66.8	67.9	73.1	73.1	73.1	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.7
≥3500	49.6	65.7	72.3	73.3	76.5	76.7	76.8	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.5	77.6
≥3000	52.1	73.3	77.1	78.4	81.6	81.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.9
≥2500	52.8	74.1	78.7	79.6	83.2	83.5	83.7	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.8
≥2000	53.2	74.5	78.4	80.1	83.9	84.1	84.4	85.2	85.2	85.3	85.3	85.3	85.3	85.3	85.3	85.5
≥1800	53.3	74.7	78.7	80.4	84.1	84.4	84.7	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.7
≥1600	54.1	75.3	79.3	81.2	85.1	85.3	85.6	86.4	86.5	86.7	86.7	86.7	86.7	86.7	86.7	86.8
≥1400	54.4	75.9	79.9	81.7	85.7	86.1	86.4	87.2	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.6
≥1200	54.7	76.4	80.5	82.4	86.9	87.5	87.7	88.5	88.7	88.8	88.8	88.8	88.8	88.8	88.8	88.9
≥1000	54.7	76.5	80.8	82.7	87.2	87.7	88.7	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥900	54.8	77.1	81.7	83.6	88.3	88.6	89.1	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥800	54.8	77.1	81.7	83.6	88.3	88.6	89.1	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	90.0
≥700	55.1	77.7	82.5	84.5	89.5	90.3	90.3	91.1	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.4
≥600	55.2	77.9	82.8	84.8	89.9	90.5	90.6	91.6	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.4
≥500	55.2	78.4	83.1	85.3	90.7	91.3	92.0	93.2	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.1
≥400	55.2	78.7	83.4	85.6	91.5	92.5	93.2	94.4	95.1	95.2	95.2	95.2	95.2	95.2	95.2	95.3
≥300	55.2	78.7	83.6	85.9	92.1	93.2	93.9	94.8	95.1	95.7	95.9	95.9	95.9	95.9	95.9	96.0
≥200	55.2	78.7	83.6	85.9	92.5	93.9	94.8	96.1	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.9
≥100	55.2	78.7	83.6	85.9	92.5	93.9	94.8	97.1	98.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0
≥0	55.2	78.7	83.6	85.9	92.5	93.9	94.8	97.1	98.0	98.5	98.5	98.5	98.5	98.5	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 753

JOINT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

15A24 AB JP

7J-79

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

310-2500

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0.005	≥0.0025	≥0.001
NO FILING	29.4	36.8	37.6	38.5	38.9	39.1	39.6	40.1	40.2	40.2	40.4	40.5	40.6	40.6	40.6	40.7
≥20000	35.6	46.7	48.3	48.8	50.3	50.1	50.7	51.2	51.3	51.3	51.5	51.5	51.7	51.7	51.7	51.8
≥18000	35.6	46.7	48.4	48.9	50.1	50.3	50.8	51.3	51.5	51.5	51.5	51.7	51.8	51.8	51.8	52.0
≥16000	36.1	47.1	48.8	49.3	50.5	50.7	51.2	51.7	51.8	51.8	52.0	52.1	52.2	52.2	52.2	52.4
≥14000	36.3	47.5	49.2	49.7	50.9	51.1	51.6	52.1	52.2	52.2	52.4	52.5	52.6	52.6	52.6	52.8
≥12000	37.5	49.6	51.6	52.1	53.3	53.4	54.3	54.5	54.6	54.6	54.7	54.9	55.2	55.2	55.2	55.4
≥10000	39.4	52.9	55.1	55.3	57.1	57.3	57.8	58.3	58.4	58.4	58.5	58.7	58.8	58.8	58.8	59.1
≥8000	40.4	54.1	56.6	57.3	59.6	59.7	59.9	59.9	59.9	59.9	60.0	60.2	60.3	60.3	60.3	60.4
≥6000	42.1	56.5	59.2	59.9	61.3	61.5	62.3	62.7	62.9	62.9	63.2	63.3	63.5	63.5	63.5	63.6
≥4000	42.2	57.1	59.2	59.8	62.4	62.5	63.1	63.7	64.0	64.0	64.2	64.4	64.5	64.5	64.5	64.6
≥2000	42.3	57.1	60.3	60.9	62.5	62.7	63.2	63.9	64.1	64.1	64.4	64.5	64.6	64.6	64.6	64.8
≥1000	43.5	58.3	61.6	62.3	64.3	64.1	64.6	65.3	65.5	65.5	65.6	65.9	66.0	66.1	66.1	66.2
≥500	45.1	60.3	63.9	64.5	66.2	66.4	66.9	67.5	67.8	67.8	68.2	68.3	68.5	68.5	68.5	68.6
≥200	47.5	63.1	66.8	67.6	70.1	70.2	70.7	71.4	71.6	71.6	72.0	72.2	72.3	72.3	72.3	72.4
≥100	48.3	65.2	68.9	69.7	72.3	72.4	73.1	73.6	73.9	73.9	74.3	74.4	74.5	74.5	74.5	74.7
≥50	52.2	71.9	76.1	77.2	79.7	79.8	80.3	81.1	81.4	81.4	81.8	81.9	82.1	82.1	82.1	82.2
≥20	53.6	73.9	79.2	79.4	82.3	82.6	83.1	83.9	84.3	84.3	84.7	84.8	85.0	85.3	85.3	85.1
≥10	54.7	75.2	79.6	80.9	83.8	84.3	84.6	85.4	85.8	85.8	86.1	86.3	86.6	86.9	86.9	86.5
≥5	54.9	75.3	79.7	81.0	83.9	84.2	84.7	85.5	85.9	85.9	86.3	86.4	86.5	86.5	86.5	86.7
≥2	55.4	76.3	80.4	81.9	84.8	85.4	85.9	86.7	87.1	87.1	87.5	87.6	87.7	87.7	87.7	87.9
≥1	55.7	76.5	80.9	82.2	85.1	85.8	86.3	87.1	87.5	87.5	87.9	88.0	88.1	88.1	88.1	88.3
≥0.5	55.9	76.9	81.3	82.6	85.9	86.5	87.2	88.0	88.4	88.4	88.9	89.1	89.2	89.2	89.2	89.3
≥0.25	55.9	77.2	81.5	82.8	86.3	86.9	87.7	88.5	88.9	88.9	89.4	89.5	89.7	89.7	89.7	89.5
≥0.1	55.9	77.3	81.7	83.0	86.4	87.1	87.9	88.7	89.1	89.1	89.6	89.7	89.8	89.8	89.8	90.0
≥0.05	55.3	77.6	82.2	83.9	87.6	88.4	89.2	90.3	90.4	90.4	90.8	90.9	91.6	91.7	91.8	91.6
≥0.025	55.9	77.7	82.5	84.2	88.0	88.6	89.6	90.4	90.8	90.8	91.6	91.7	91.8	92.0	92.0	92.1
≥0.01	56.3	78.4	83.5	85.5	89.3	90.5	91.4	92.2	92.7	92.7	93.0	93.7	93.8	93.9	94.1	94.2
≥0.005	56.3	78.5	83.6	85.6	89.6	90.8	92.0	92.7	93.3	93.3	93.5	94.3	94.5	94.7	94.9	95.2
≥0.0025	55.3	78.5	83.6	85.6	90.1	91.3	92.6	93.1	94.2	94.2	94.7	95.2	95.9	96.2	96.3	96.6
≥0.001	56.5	78.6	83.8	85.8	90.2	91.6	93.1	94.3	95.1	95.1	95.5	97.0	97.1	97.5	97.6	97.6
≥0.0005	56.5	78.6	83.8	85.8	90.4	91.8	93.3	95.1	95.4	95.4	96.5	98.2	98.5	99.1	99.2	99.6
≥0.00025	56.5	78.6	83.8	85.8	90.4	91.8	93.3	95.1	95.4	95.4	96.6	98.2	98.5	99.1	99.2	99.6

TOTAL NUMBER OF OBSERVATIONS 756

REGAL CLIMATOLOGY BRANCH
USAF ETAC
AIR METEOR SERVICE/MSC

CEILING VERSUS VISIBILITY

STATION ISAN AB JP

70-79 YEARS

APP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

630-780
HOURS LT

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	27.5	35.1	35.3	35.5	35.7	35.8	35.9	36.1	36.3	36.3	36.3	36.3	36.3	36.3	36.3	36.3
≥ 20000	35.5	47.5	48.2	49.3	51.1	51.5	51.8	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 18000	35.5	47.7	48.3	49.9	51.7	51.1	51.5	51.6	51.9	52.0	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	35.5	48.4	49.4	51.6	51.5	51.7	52.3	52.4	52.7	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 14000	35.5	51.0	52.1	53.3	54.2	54.6	55.1	55.1	55.4	55.5	55.5	55.5	55.5	55.5	55.5	55.5
≥ 12000	35.5	52.8	54.3	55.3	56.4	56.8	57.2	57.3	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 10000	40.5	55.1	56.8	58.0	59.0	59.4	59.8	59.9	61.2	61.3	61.3	61.3	61.3	61.3	61.3	61.3
≥ 9000	41.2	56.7	58.4	59.7	60.8	61.2	61.6	61.7	62.7	62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 8000	43.5	57.4	61.6	63.0	64.6	65.0	65.4	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 7000	43.6	59.9	62.1	64.1	65.6	66.0	66.4	66.5	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 6000	44.1	61.6	62.8	64.7	66.3	66.7	67.1	67.2	67.4	67.6	67.6	67.6	67.6	67.6	67.6	67.6
≥ 5000	44.7	61.5	63.7	65.9	67.7	68.1	68.5	68.6	68.9	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 4500	45.4	62.5	64.7	67.2	69.3	69.6	70.0	70.2	70.7	71.1	71.2	71.2	71.2	71.2	71.2	71.2
≥ 4000	47.2	65.1	67.3	69.8	72.2	72.6	73.4	73.7	74.2	74.6	74.7	74.7	74.7	74.7	74.7	74.7
≥ 3500	48.4	66.5	68.9	71.3	74.2	74.7	75.6	75.9	76.4	76.8	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	51.6	71.3	73.9	76.4	79.2	79.9	80.8	81.5	82.1	82.4	82.5	82.5	82.5	82.5	82.5	82.5
≥ 2500	54.1	73.9	76.5	79.0	81.8	82.6	83.5	84.2	84.7	85.1	85.2	85.2	85.2	85.2	85.2	85.2
≥ 2000	55.6	75.5	78.1	80.7	83.5	84.3	85.2	85.9	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1800	55.6	75.5	78.1	80.7	83.5	84.3	85.2	85.9	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1500	55.6	75.5	78.1	80.7	83.5	84.3	85.2	85.9	86.4	86.8	86.9	86.9	86.9	86.9	86.9	86.9
≥ 1200	56.3	76.1	78.7	81.3	84.4	85.2	86.1	87.0	87.5	87.9	88.1	88.1	88.2	88.2	88.2	88.2
≥ 1000	56.7	76.8	79.5	82.2	85.2	86.1	87.0	87.5	88.7	89.1	89.2	89.2	89.2	89.2	89.2	89.2
≥ 900	56.9	77.0	79.9	82.5	85.5	86.4	87.3	88.3	89.0	89.4	89.5	89.5	89.5	89.5	89.5	89.5
≥ 800	57.3	77.5	80.1	83.1	86.4	87.3	88.5	89.6	90.3	90.7	90.8	90.8	90.8	90.8	90.8	90.8
≥ 700	57.3	78.0	80.9	83.9	87.2	88.1	89.2	90.4	91.1	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ 500	57.5	78.1	81.1	84.0	87.4	88.3	89.5	90.7	91.4	92.0	92.1	92.1	92.1	92.1	92.1	92.1
≥ 400	57.5	78.1	81.1	84.3	88.2	89.0	90.9	92.2	93.1	93.6	93.8	93.8	93.8	93.8	93.8	93.8
≥ 300	57.7	78.5	81.6	84.8	89.5	91.6	93.4	95.1	96.4	96.9	97.0	97.0	97.0	97.0	97.0	97.0
≥ 200	57.7	78.5	81.6	84.8	89.5	91.7	93.5	95.6	97.3	97.8	97.9	97.9	97.9	97.9	97.9	97.9
≥ 100	57.7	78.5	81.6	84.8	89.5	91.7	93.5	95.6	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3
≥ 0	57.7	78.5	81.6	84.8	89.5	91.7	93.5	95.6	97.3	97.9	98.3	98.3	98.3	98.3	98.3	98.3

TOTAL NUMBER OF OBSERVATIONS 771

GENERAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

73-74

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

900-1100
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .25	≥ .2	≥ .15	≥ .1	≥ 0
NO CEILING	25.5	32.1	32.3	32.7	32.7	32.7	32.7	32.7	32.8	32.9	32.9	32.9	32.9	32.9	32.9	32.9
≥ 20000	38.6	49.2	51.5	51.4	51.4	51.4	51.4	51.4	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 18000	36.9	49.4	50.6	51.5	51.5	51.5	51.5	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 16000	39.7	50.3	51.8	52.7	52.7	52.7	52.7	52.7	52.8	52.9	52.9	52.9	52.9	52.9	52.9	52.9
≥ 14000	39.9	52.2	53.8	54.7	54.7	54.7	54.7	54.7	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 12000	41.5	54.3	56.3	57.1	57.1	57.3	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥ 10000	42.9	55.7	57.7	58.7	58.7	58.8	58.8	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 9000	43.2	56.6	58.5	59.6	59.6	59.7	59.7	59.7	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9
≥ 8000	46.1	59.9	61.9	63.1	63.1	63.4	63.4	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 7000	46.7	61.0	63.0	64.5	64.5	64.8	64.8	64.8	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1
≥ 6000	47.1	61.5	63.5	65.1	65.1	65.3	65.3	65.3	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 5000	48.6	63.6	65.7	67.2	67.6	68.1	68.0	68.0	68.2	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	49.4	64.8	66.8	68.4	68.9	69.4	69.4	69.5	69.8	69.9	69.9	69.9	69.9	69.9	69.9	69.9
≥ 4000	50.9	67.1	69.6	71.3	72.1	72.7	72.7	73.0	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 3500	51.9	68.6	71.2	72.8	73.6	74.2	74.2	74.5	75.0	75.1	75.1	75.1	75.1	75.1	75.1	75.1
≥ 3000	56.0	74.1	76.3	78.4	79.5	80.2	80.2	80.5	81.0	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 2500	58.2	76.8	79.5	81.3	82.5	83.3	83.3	83.5	84.1	84.2	84.2	84.2	84.2	84.3	84.3	84.3
≥ 2000	59.9	78.7	81.4	83.2	84.6	85.3	85.3	85.6	86.1	86.2	86.2	86.2	86.2	86.4	86.4	86.4
≥ 1500	59.9	78.7	81.4	83.2	84.6	85.3	85.3	85.6	86.1	86.2	86.2	86.2	86.2	86.4	86.4	86.4
≥ 1000	61.1	80.0	82.8	84.6	86.2	87.0	87.0	87.2	87.8	88.0	88.0	88.0	88.0	88.1	88.1	88.1
≥ 900	61.4	80.6	83.4	85.2	86.9	87.6	87.6	87.9	88.4	88.6	88.6	88.6	88.6	88.8	88.8	88.8
≥ 800	62.0	81.4	84.4	86.2	87.9	88.6	88.6	88.9	89.4	89.7	89.7	89.7	89.7	89.8	89.8	89.8
≥ 700	62.4	81.9	85.1	87.1	88.6	89.4	89.4	89.5	90.3	90.6	90.6	90.6	90.6	90.7	90.7	90.7
≥ 600	63.5	82.5	85.7	87.6	89.4	90.2	90.2	90.7	91.2	91.5	91.5	91.5	91.5	91.6	91.6	91.6
≥ 500	63.1	82.7	86.0	87.9	90.2	90.9	90.9	91.5	92.0	92.2	92.2	92.2	92.2	92.3	92.3	92.3
≥ 400	63.9	83.3	86.6	88.5	90.8	91.7	91.7	92.5	93.0	93.4	93.4	93.4	93.4	93.5	93.5	93.5
≥ 300	64.2	84.2	87.6	89.8	92.3	93.8	93.9	94.8	95.4	95.9	95.9	95.9	95.9	96.0	96.0	96.0
≥ 200	64.3	84.3	88.1	90.3	93.8	95.2	95.4	96.3	96.9	97.4	97.4	97.6	97.6	97.7	97.7	97.7
≥ 100	64.3	84.6	88.3	90.6	94.3	96.0	96.3	97.7	98.5	99.1	99.1	99.2	99.4	99.6	99.6	99.6
≥ 0	64.3	84.6	88.3	90.6	94.3	96.0	96.3	97.7	98.5	99.1	99.1	99.5	99.7	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 784

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION OSAWA AB JP STATION NAME

YEARS 75-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1201-1400
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	23.7	27.9	28.4	28.6	29.3	29.3	27.3	29.4	29.4	29.4	29.5	29.5	29.5	29.5	29.5	29.5
≥ 20000	35.6	45.6	46.3	46.6	47.3	47.3	47.3	47.4	47.4	47.4	47.6	47.6	47.6	47.6	47.6	47.6
≥ 18000	36.1	45.1	46.8	47.1	47.8	47.8	47.3	47.9	47.9	47.9	48.1	48.1	48.1	48.1	48.1	48.1
≥ 16000	36.5	46.7	47.8	47.7	48.4	48.4	48.4	48.6	48.6	48.6	48.7	48.7	48.7	48.7	48.7	48.7
≥ 14000	39.1	48.8	49.8	49.8	51.6	50.6	51.6	51.7	51.7	51.7	51.8	51.8	51.8	51.8	51.8	51.8
≥ 12000	42.1	51.7	52.4	52.7	53.4	53.4	53.4	53.5	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7
≥ 10000	42.1	54.5	55.3	55.5	56.4	56.4	56.5	56.7	56.7	56.7	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	42.3	55.4	56.3	56.7	57.5	57.5	57.7	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9
≥ 8000	44.2	58.3	59.3	59.7	60.6	60.6	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 7000	45.1	59.7	61.8	61.1	62.1	62.3	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6
≥ 6000	45.7	61.3	61.4	61.8	62.8	62.9	63.3	63.1	63.1	63.1	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	46.5	61.6	63.1	63.5	64.6	64.9	65.7	65.1	65.1	65.1	65.3	65.3	65.3	65.3	65.3	65.3
≥ 4500	46.9	62.5	64.7	64.5	65.3	66.1	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	48.1	63.1	66.9	67.4	68.6	69.0	69.1	69.2	69.2	69.2	69.4	69.4	69.4	69.4	69.4	69.4
≥ 3500	50.6	68.1	71.7	70.5	71.7	72.1	72.2	72.4	72.4	72.4	72.5	72.5	72.5	72.5	72.5	72.5
≥ 3000	57.3	76.8	78.7	79.2	80.8	81.3	81.4	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	62.1	82.7	84.7	85.2	86.2	87.3	87.4	87.5	87.5	87.5	87.7	87.7	87.7	87.7	87.7	87.7
≥ 2000	62.8	83.7	85.7	86.2	87.9	88.4	88.7	88.8	88.8	88.8	88.9	88.9	88.9	88.9	88.9	88.9
≥ 1800	62.8	83.2	85.8	86.3	87.9	88.5	88.8	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1500	63.9	85.4	87.1	88.1	89.7	90.3	90.5	90.7	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1200	64.5	86.3	88.4	89.2	91.8	91.4	91.7	91.8	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9
≥ 1000	64.9	86.8	88.9	89.7	91.3	91.9	92.2	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
≥ 900	65.1	87.2	89.3	90.1	91.7	92.3	92.5	92.7	92.7	92.7	92.8	92.8	92.8	92.8	92.8	92.8
≥ 800	65.6	87.7	89.8	90.5	92.2	92.8	93.2	93.3	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	66.1	88.0	90.2	90.9	92.9	93.5	93.9	94.0	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1
≥ 600	66.1	88.4	90.5	91.3	93.5	94.1	94.6	95.0	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 500	66.1	88.4	90.5	91.3	93.5	94.1	94.6	95.0	95.1	95.1	95.3	95.3	95.3	95.3	95.3	95.3
≥ 400	66.1	88.5	90.9	92.7	95.6	96.4	97.0	97.4	97.5	97.6	97.8	97.8	97.8	97.8	97.8	97.8
≥ 300	66.1	88.5	90.9	92.7	96.1	97.4	98.1	98.8	99.0	99.3	99.5	99.6	99.6	99.6	99.6	99.6
≥ 200	66.1	88.5	90.9	92.7	96.1	97.4	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 100	66.1	88.5	90.9	92.7	96.1	97.4	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9
≥ 0	66.1	88.5	90.9	92.7	96.1	97.4	98.3	98.9	99.3	99.5	99.8	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 873

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AF-WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME SAWA AB JP

YEARS 70-79

MONTH APR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	29.5	34.8	34.8	34.9	35.2	35.2	35.3	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4
≥ 20000	47.3	51.6	52.1	52.3	52.8	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 18000	41.1	52.8	53.3	53.4	53.9	53.9	54.0	54.0	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1
≥ 16000	41.8	53.5	54.3	54.4	54.9	54.9	55.0	55.0	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.2
≥ 14000	43.7	56.5	57.0	57.3	57.8	57.8	57.9	57.9	58.1	58.1	58.1	58.0	58.0	58.0	58.0	58.0
≥ 12000	44.7	57.8	58.8	59.0	59.5	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.8
≥ 10000	46.6	60.5	61.6	61.8	62.3	62.3	62.4	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6
≥ 9000	47.5	61.7	62.9	63.2	63.7	63.7	63.8	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 8000	49.1	63.8	65.2	65.5	66.0	66.0	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 7000	50.1	65.5	67.2	67.5	68.0	68.0	68.1	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.2
≥ 6000	52.4	65.8	67.8	68.1	68.6	68.6	68.7	68.7	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 5000	52.3	68.5	70.6	71.0	71.6	71.6	71.7	71.7	71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 4500	53.1	70.1	72.2	72.6	73.5	73.5	73.6	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 4000	54.1	72.0	74.2	74.7	75.6	75.6	75.8	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	56.3	71.9	77.3	77.8	78.6	78.6	78.8	78.8	78.9	78.9	78.9	78.9	78.9	78.9	78.9	78.9
≥ 3000	59.7	80.5	82.9	83.4	84.4	84.4	84.5	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7
≥ 2500	52.3	63.2	66.1	66.7	67.8	67.8	67.9	67.9	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 2000	52.7	63.3	66.7	67.3	68.4	68.4	68.6	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 1800	62.7	83.2	86.7	87.3	88.4	88.4	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥ 1500	53.2	84.7	87.7	88.3	89.6	89.6	89.8	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 1200	63.8	85.6	88.8	89.2	90.5	90.5	90.7	90.7	90.8	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 1000	64.1	85.8	88.8	89.4	90.7	90.7	91.0	91.0	91.2	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 900	64.3	86.1	89.1	89.7	91.0	91.0	91.2	91.2	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 800	64.6	86.3	89.3	90.1	91.5	91.5	91.7	91.7	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 700	65.1	86.8	89.8	90.7	92.2	92.2	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 600	65.1	86.9	89.9	90.8	92.8	92.8	93.0	93.0	93.6	93.6	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	65.2	87.1	90.3	91.5	93.6	93.6	94.3	94.3	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 400	65.3	87.3	90.7	92.1	95.0	95.0	96.0	96.0	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6
≥ 300	65.3	87.3	90.8	92.2	95.1	95.1	96.5	96.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 200	65.3	87.3	90.8	92.3	95.6	95.6	96.4	96.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 100	65.3	87.3	90.8	92.3	95.6	95.6	96.4	96.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 0	65.3	87.3	90.8	92.3	95.6	95.6	96.4	96.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AFB JAPAN

YEARS 73-79

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

18111-2000
GROUP 1

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .01	≥ 0
NO CEILING	32.1	38.4	38.7	38.7	39.1	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.2	39.2	39.5
≥ 20000	42.1	53.2	53.5	53.9	54.7	54.8	54.9	54.8	54.8	54.8	54.9	54.9	54.9	55.1	55.1	55.3
≥ 18000	42.9	53.7	54.6	54.7	55.4	55.6	55.6	55.6	55.6	55.7	55.7	55.7	55.7	55.8	55.8	56.1
≥ 16000	42.9	54.3	54.9	55.1	55.8	55.9	55.9	55.9	55.9	56.1	56.1	56.1	56.1	56.2	56.2	56.5
≥ 14000	44.3	56.2	57.1	57.1	57.8	58.3	58.4	58.4	58.4	58.7	58.7	58.7	58.7	58.8	58.8	58.8
≥ 12000	45.6	59.0	60.1	60.3	61.0	61.1	61.1	61.1	61.1	61.3	61.3	61.3	61.3	61.4	61.4	61.6
≥ 10000	47.2	61.3	62.5	62.6	63.5	63.7	63.7	63.7	63.7	63.7	63.8	63.8	63.8	63.9	63.9	64.2
≥ 9000	47.7	61.9	63.2	63.4	64.2	64.3	64.3	64.3	64.3	64.3	64.6	64.6	64.6	64.6	64.7	64.9
≥ 8000	49.7	64.6	65.8	66.2	67.1	67.2	67.2	67.2	67.2	67.2	67.5	67.5	67.5	67.5	67.6	67.8
≥ 7000	50.5	65.6	67.1	67.3	68.5	68.6	68.6	68.6	68.6	68.6	68.9	68.9	68.9	68.9	69.1	69.2
≥ 6000	50.5	65.7	67.2	67.6	69.0	69.1	69.1	69.1	69.1	69.4	69.4	69.4	69.4	69.5	69.5	69.7
≥ 5000	51.8	67.5	69.2	69.6	71.1	71.3	71.4	71.5	71.5	71.8	71.8	71.8	71.8	71.9	71.9	72.2
≥ 4500	53.2	69.2	71.1	71.4	73.2	73.3	73.4	73.5	73.5	73.8	73.8	73.8	73.8	73.9	73.9	74.2
≥ 4000	4.7	71.5	73.3	74.3	76.3	76.5	76.5	76.6	76.6	77.7	77.2	77.2	77.2	77.2	77.3	77.6
≥ 3500	55.1	72.7	74.4	75.6	77.6	77.7	77.8	78.1	78.2	78.5	78.5	78.5	78.5	78.6	78.6	78.9
≥ 3000	57.1	75.9	78.7	79.4	81.5	81.6	81.8	82.2	82.5	82.9	82.9	82.9	82.9	83.1	83.1	83.3
≥ 2500	58.4	77.7	80.1	81.5	83.8	83.9	84.1	84.4	84.8	85.2	85.2	85.2	85.2	85.3	85.3	85.6
≥ 2000	59.2	79.5	82.3	83.2	86.1	86.2	86.3	86.7	87.1	87.5	87.5	87.5	87.5	87.6	87.6	87.8
≥ 1800	59.2	79.6	82.4	83.9	86.2	86.3	86.5	86.8	87.2	87.6	87.6	87.6	87.6	87.7	87.7	88.3
≥ 1500	59.6	80.5	83.3	84.8	87.1	87.2	87.3	87.7	88.1	88.5	88.5	88.5	88.5	88.6	88.6	88.9
≥ 1200	59.7	81.8	83.9	85.3	87.7	87.8	88.7	88.4	88.7	89.1	89.1	89.1	89.1	89.2	89.2	89.5
≥ 1000	60.5	81.6	84.3	86.6	89.3	89.1	89.2	89.6	89.9	90.4	90.5	90.5	90.5	90.6	90.6	90.9
≥ 900	60.9	81.8	85.1	86.8	89.2	89.4	89.5	89.9	90.3	90.6	90.8	90.8	90.8	90.9	90.9	91.1
≥ 800	60.8	81.9	85.2	87.1	89.5	89.6	89.7	90.1	90.5	90.9	91.1	91.1	91.1	91.1	91.1	91.4
≥ 700	60.5	81.9	85.3	87.3	89.9	90.1	90.3	90.6	91.1	91.4	91.5	91.5	91.5	91.6	91.6	91.7
≥ 600	61.0	82.2	85.6	87.6	90.6	90.9	91.0	91.5	91.9	92.3	92.4	92.4	92.4	92.5	92.5	92.8
≥ 500	61.1	82.2	85.7	87.8	91.1	91.9	92.0	92.8	93.2	93.5	93.7	93.7	93.8	93.9	93.9	94.2
≥ 400	61.7	82.4	86.1	88.6	92.3	93.7	93.9	94.7	95.1	95.4	95.6	95.6	95.7	95.8	95.8	96.1
≥ 300	61.1	82.7	86.5	89.1	93.3	94.7	94.9	96.1	96.5	96.8	97.0	97.3	97.1	97.2	97.2	97.5
≥ 200	61.1	82.7	86.5	89.1	93.5	94.9	95.2	96.6	97.0	97.6	98.4	98.5	98.5	98.6	98.7	99.2
≥ 100	61.1	82.7	86.5	89.1	93.5	94.9	95.2	96.6	97.0	97.6	98.4	98.5	98.6	98.9	99.0	100.0
≥ 0	61.0	82.7	86.5	89.1	93.5	94.9	95.2	96.6	97.0	97.6	98.4	98.5	98.6	98.9	99.0	100.0

TOTAL NUMBER OF OBSERVATIONS 790

U.S. AIR FORCE
CLIMATE BRANCH
CLIMATE
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
MISAWA AB JP

YEARS
76-79

APPROXIMATE MONTHS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

PERIOD OF OBSERVATION
2100-2300 HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 0
NO CEILING	32.5	39.9	41.2	41.5	41.9	42.5	42.7	42.9	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1
≥ 20000	40.1	51.8	53.4	53.9	54.8	55.0	55.0	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
IV 18000	40.3	52.8	54.2	54.7	55.6	55.8	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
IV 16000	40.3	52.7	54.4	55.0	55.9	56.0	56.0	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
IV 14000	42.1	55.2	57.1	57.5	58.4	58.7	58.7	58.8	58.9	58.9	58.9	58.9	58.9	58.9	58.9	58.9
IV 12000	43.7	56.8	58.4	58.9	59.9	60.1	60.1	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
IV 10000	44.0	59.2	61.1	61.6	62.6	62.9	62.9	63.0	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 9000	46.2	61.1	63.2	63.7	64.8	65.0	65.0	65.2	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
IV 8000	48.1	63.4	65.6	66.1	67.2	67.4	67.5	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9
IV 7000	48.7	64.8	66.9	67.7	68.7	69.0	69.1	69.5	69.7	69.8	69.8	69.8	69.8	69.8	69.8	69.8
IV 6000	49.1	65.2	67.4	68.2	69.7	69.9	70.1	70.5	70.6	70.7	70.7	70.7	70.7	70.7	70.7	70.7
IV 5000	50.7	67.9	70.2	71.0	72.5	72.7	72.8	73.2	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5
IV 4500	52.3	70.1	72.3	73.2	74.7	75.0	75.1	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8
IV 4000	53.2	71.9	74.3	75.4	77.2	77.6	77.7	78.1	78.3	78.4	78.4	78.4	78.4	78.4	78.4	78.4
IV 3500	54.2	73.2	75.8	76.8	78.8	79.5	79.7	80.1	80.3	80.4	80.4	80.4	80.4	80.4	80.4	80.4
IV 3000	55.9	75.0	78.8	79.9	81.9	82.5	82.9	83.3	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0
IV 2500	56.6	77.5	80.4	81.5	83.4	84.1	84.6	85.0	85.4	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 2000	57.2	78.5	81.9	82.9	84.9	85.6	86.1	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1800	57.2	78.5	81.9	82.9	84.9	85.6	86.1	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1500	57.2	78.5	81.9	82.9	84.9	85.6	86.1	86.5	86.9	87.2	87.2	87.2	87.2	87.2	87.2	87.2
IV 1200	57.9	79.2	82.5	83.6	85.7	86.5	87.0	87.4	87.8	88.1	88.1	88.1	88.1	88.1	88.1	88.1
IV 1000	57.9	79.6	83.2	84.6	87.0	87.9	88.6	89.0	89.4	89.7	89.7	89.7	89.7	89.7	89.7	89.7
IV 900	57.9	79.6	83.4	85.0	87.4	88.3	89.0	89.4	89.8	90.1	90.1	90.1	90.1	90.1	90.1	90.1
IV 800	58.1	80.0	84.0	85.7	88.5	89.4	90.1	90.5	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
IV 700	58.1	80.3	84.6	86.5	89.5	90.5	91.1	91.7	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3
IV 600	58.1	80.8	84.9	86.9	90.1	91.0	91.7	92.2	92.6	92.8	92.8	92.8	92.8	92.8	92.8	92.8
IV 500	58.1	80.9	85.2	87.7	91.1	92.1	92.8	93.5	94.0	94.6	94.6	94.6	94.6	94.6	94.6	94.6
IV 400	58.1	80.9	85.6	88.3	92.3	93.5	94.6	95.4	95.9	96.4	96.4	96.4	96.4	96.4	96.4	96.4
IV 300	58.3	81.2	86.0	88.9	93.0	94.2	95.2	96.0	96.7	97.4	97.5	97.5	97.5	97.5	97.5	97.5
IV 200	58.3	81.2	86.0	88.9	93.1	94.4	95.5	96.6	97.5	98.4	98.5	98.5	98.5	98.5	98.5	98.5
IV 100	58.3	81.2	86.0	88.9	93.1	94.4	95.6	96.7	97.7	98.8	99.2	99.5	99.6	99.7	99.9	100.0
IV 0	58.3	81.2	86.0	88.9	93.1	94.4	95.6	96.7	97.7	98.8	99.2	99.5	99.6	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 755

GLOBAL CLIMATE BRANCH
 WAFUTAC
 AIR WEATHER CE, AC

CEILING VERSUS VISIBILITY

STATION WISAN A6

YEARS 76-79

APR

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

ALL
 HOURS 1-24

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	29.5	35.2	35.9	36.1	36.6	36.6	36.7	36.9	37.0	37.1	37.1	37.1	37.1	37.1	37.1	37.1
≥20000	38.1	49.3	51.5	51.1	51.8	51.9	51.7	52.1	52.2	52.3	52.3	52.3	52.3	52.3	52.4	52.4
≥18000	38.3	49.8	51.7	51.9	52.3	52.4	52.5	52.7	52.7	52.8	52.8	52.8	52.8	52.9	52.9	52.9
≥16000	38.7	50.3	51.6	52.1	52.9	53.2	53.1	53.3	53.4	53.4	53.4	53.4	53.5	53.5	53.5	53.6
≥14000	40.1	52.3	53.7	54.2	55.3	55.1	55.3	55.4	55.5	55.6	55.6	55.6	55.6	55.6	55.6	55.7
≥12000	41.3	54.3	55.9	56.8	57.3	57.4	57.5	57.7	57.8	57.8	57.9	57.9	57.9	57.9	57.9	58.0
≥10000	43.2	56.9	58.6	59.2	60.1	60.2	60.4	60.5	60.8	60.7	60.7	60.7	60.7	60.7	60.7	60.8
≥9000	43.9	58.1	59.9	60.8	61.4	61.5	61.7	61.8	61.9	62.0	62.0	62.0	62.0	62.1	62.1	62.1
≥8000	45.8	60.8	62.6	63.3	64.3	64.5	64.6	64.8	64.9	65.0	65.1	65.1	65.1	65.1	65.1	65.2
≥7000	46.4	61.7	63.8	64.7	65.8	65.9	66.1	66.3	66.4	66.5	66.6	66.6	66.6	66.6	66.6	66.7
≥6000	46.7	62.1	64.3	65.2	66.3	66.5	66.6	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2
≥5000	49.2	63.9	66.2	67.1	68.5	68.7	68.9	69.1	69.3	69.4	69.4	69.4	69.4	69.4	69.4	69.5
≥4500	49.1	65.3	67.7	68.6	70.2	70.4	70.6	70.8	71.0	71.1	71.2	71.2	71.2	71.2	71.2	71.3
≥4000	50.5	67.6	70.2	71.3	73.1	73.4	73.6	73.9	74.1	74.3	74.3	74.3	74.4	74.4	74.4	74.4
≥3000	51.8	69.8	72.3	73.5	75.4	75.7	76.0	76.3	76.5	76.7	76.7	76.8	76.8	76.8	76.8	76.9
≥2500	55.3	75.0	77.8	79.1	81.1	81.5	81.8	82.2	82.5	82.6	82.7	82.7	82.7	82.7	82.7	82.8
≥2000	57.3	77.3	80.5	81.8	84.0	84.4	84.7	85.2	85.5	85.6	85.7	85.7	85.7	85.8	85.8	85.8
≥1800	58.3	79.8	81.9	83.3	85.5	85.9	86.3	86.7	87.1	87.1	87.2	87.2	87.3	87.3	87.3	87.4
≥1500	58.9	79.6	82.7	84.2	86.5	87.0	87.3	87.7	88.0	88.2	88.3	88.3	88.3	88.4	88.4	88.4
≥1200	59.2	80.2	83.3	84.8	87.1	87.7	88.0	88.5	88.8	88.9	89.0	89.0	89.1	89.1	89.1	89.2
≥1000	59.7	80.7	84.0	85.5	88.0	88.6	89.0	89.4	89.8	90.0	90.1	90.1	90.1	90.2	90.2	90.2
≥900	59.8	81.1	84.3	85.9	88.4	89.0	89.4	89.9	90.2	90.4	90.5	90.5	90.5	90.6	90.6	90.6
≥800	60.1	81.4	84.8	86.4	89.0	89.6	90.1	90.6	90.9	91.1	91.2	91.2	91.3	91.3	91.3	91.4
≥700	60.3	81.7	85.3	87.1	89.9	90.5	90.9	91.5	91.8	92.0	92.1	92.2	92.2	92.3	92.3	92.3
≥600	60.7	82.0	85.5	87.3	90.4	91.1	91.6	92.2	92.6	92.8	93.0	93.1	93.0	93.1	93.1	93.2
≥500	60.5	82.3	86.0	88.0	91.4	92.3	92.9	93.7	94.2	94.5	94.6	94.6	94.7	94.7	94.7	94.8
≥400	60.6	82.5	86.3	88.6	92.4	93.6	94.3	95.1	95.7	96.0	96.1	96.2	96.3	96.3	96.3	96.4
≥300	60.8	82.6	86.5	88.8	93.0	94.2	95.1	96.1	96.7	97.1	97.3	97.4	97.5	97.6	97.7	97.7
≥200	60.8	82.6	86.5	88.8	93.2	94.6	95.6	96.6	97.6	98.1	98.4	98.5	98.6	98.8	98.8	99.0
≥100	60.8	82.6	86.5	88.8	93.2	94.6	95.6	97.0	97.8	98.5	98.9	99.1	99.3	99.6	99.6	100.0
≥0	60.9	82.6	86.5	88.8	93.2	94.6	95.6	97.0	97.8	98.5	98.9	99.1	99.3	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6207

CLIMATE CLIMATOLOGY BRANCH
USAFETC
AFC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION KISAWA AB JP

73-74

4AY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

065-0273
HOURS 15

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	>6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	25.0	31.5	33.8	34.7	36.0	36.5	37.3	37.5	37.5	37.7	37.7	37.8	37.8	37.8	37.8	37.8
≥ 20000	34.8	43.2	46.8	48.2	49.9	51.7	51.2	51.3	51.8	51.9	51.9	52.0	52.0	52.2	52.2	52.2
≥ 18000	34.8	44.1	47.2	48.4	51.3	51.1	51.6	52.2	52.2	52.3	52.3	52.4	52.4	52.5	52.5	52.5
≥ 16000	35.1	44.7	47.8	49.2	51.7	51.8	52.3	52.8	52.8	52.9	52.9	53.1	53.1	53.2	53.2	53.2
≥ 14000	35.7	45.9	49.2	50.2	52.2	52.9	53.5	54.1	54.1	54.2	54.2	54.4	54.4	54.5	54.5	54.5
≥ 12000	37.4	48.1	51.2	52.5	54.5	55.3	55.8	56.5	56.5	56.6	56.6	56.7	56.7	56.8	56.8	56.8
≥ 10000	38.3	49.4	52.8	54.1	56.1	56.8	57.4	58.1	58.1	58.3	58.3	58.4	58.4	58.5	58.5	58.5
≥ 9000	39.2	50.2	53.6	54.9	57.2	57.9	58.4	59.2	59.2	59.3	59.3	59.5	59.5	59.6	59.6	59.6
≥ 8000	41.5	52.5	56.8	58.3	60.5	61.4	61.9	62.8	62.8	63.5	63.5	63.7	63.7	63.8	63.8	63.8
≥ 7000	41.7	53.8	57.2	58.7	60.9	61.8	62.3	63.2	63.2	63.4	63.4	63.5	63.5	63.6	63.6	63.6
≥ 6000	41.6	54.1	57.5	58.9	61.1	62.1	62.5	63.5	63.5	63.6	63.6	63.8	63.8	63.9	63.9	63.9
≥ 5000	42.3	56.3	61.1	62.2	64.8	65.7	66.2	67.1	67.1	67.3	67.3	67.4	67.4	67.5	67.5	67.5
≥ 4500	44.5	57.5	61.3	63.4	66.1	67.3	67.5	68.4	68.4	68.6	68.6	68.7	68.7	68.8	68.8	68.8
≥ 4000	45.4	59.2	63.1	65.2	67.9	68.8	69.4	71.3	71.3	71.4	71.4	71.5	71.5	71.6	71.6	71.6
≥ 3500	46.3	60.3	63.9	66.0	68.8	69.8	71.3	71.2	71.2	71.3	71.3	71.4	71.4	71.5	71.5	71.5
≥ 3000	48.2	62.3	66.2	68.6	71.6	72.6	73.1	74.1	74.1	74.2	74.2	74.3	74.3	74.4	74.4	74.4
≥ 2500	49.9	65.2	69.2	71.7	75.1	76.3	76.8	77.7	77.8	78.1	78.1	78.2	78.2	78.4	78.4	78.4
≥ 2000	51.7	66.4	70.4	72.9	76.3	77.4	78.3	78.9	79.3	79.3	79.3	79.4	79.4	79.5	79.5	79.5
≥ 1800	53.7	68.5	71.5	73.3	76.4	77.6	78.1	79.0	79.1	79.4	79.4	79.5	79.5	79.7	79.7	79.7
≥ 1500	55.7	68.6	73.7	73.3	76.8	78.3	78.5	79.4	79.5	79.8	79.8	79.9	79.9	80.1	80.1	80.1
≥ 1200	51.7	67.7	71.7	74.3	79.3	79.1	79.7	80.7	80.8	81.1	81.1	81.2	81.2	81.4	81.4	81.4
≥ 1000	51.2	68.7	72.8	75.4	79.1	80.3	80.8	81.9	82.0	82.3	82.3	82.4	82.4	82.5	82.5	82.5
≥ 900	51.2	68.8	72.9	75.6	79.4	81.6	81.2	82.3	82.4	82.7	82.7	82.8	82.8	82.9	82.9	82.9
≥ 800	51.5	69.4	73.8	76.9	81.8	82.1	82.9	84.2	84.1	84.4	84.5	84.6	84.6	84.7	84.7	84.7
≥ 700	51.6	69.5	73.9	77.1	81.0	82.4	83.3	84.4	84.5	84.7	84.9	85.0	85.0	85.1	85.1	85.1
≥ 600	51.9	70.0	74.4	77.6	81.5	82.9	83.8	85.2	85.1	85.4	85.5	85.7	85.7	85.8	85.8	85.8
≥ 500	52.0	70.1	74.7	77.8	81.7	83.2	84.1	85.8	86.0	86.6	86.7	86.8	86.8	87.0	87.0	87.0
≥ 400	52.0	70.4	75.0	78.2	82.8	84.6	85.5	87.5	87.7	88.0	88.5	88.7	88.7	88.8	88.8	88.8
≥ 300	52.1	70.4	75.1	78.4	83.1	84.9	86.6	89.4	90.0	90.6	90.7	91.0	91.0	91.1	91.1	91.1
≥ 200	52.1	70.4	75.1	78.4	83.2	85.3	87.2	91.0	91.7	92.6	92.7	93.0	93.0	93.5	93.5	93.5
≥ 100	52.1	70.4	75.1	78.4	83.6	85.7	87.7	91.7	92.4	93.5	93.9	94.7	95.4	96.2	96.7	96.0
≥ 0	52.1	70.4	75.1	79.4	83.6	85.7	87.7	91.7	92.4	93.5	93.9	94.7	95.4	96.2	97.1	100.0

TOTAL NUMBER OF OBSERVATIONS 767

GLOBAL CLIMATOLOGY BRANCH
ETAC/ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ETAC/ETAC ETAC/ETAC

70-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-8500
HOURS (EST)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .3	≥ .1	≥ .05	≥ .01	≥ .005	≥ 0
NO CEILING	22.3	27.6	29.5	31.2	32.1	32.4	32.4	32.8	32.9	32.9	33.0	33.0	33.2	33.3	33.4	33.4
≥ 20000	31.8	43.7	43.3	43.7	45.9	46.3	46.8	47.2	47.4	47.4	47.5	47.5	47.6	47.6	47.9	47.9
IV 18000	31.2	41.6	44.2	44.6	46.8	46.9	47.6	48.7	48.3	48.3	48.4	48.4	48.5	48.6	48.8	48.8
IV 16000	31.4	42.3	45.7	45.4	47.6	47.8	48.5	48.9	49.1	49.1	49.3	49.3	49.4	49.5	49.6	49.6
IV 14000	31.9	43.2	46.7	46.4	48.6	48.8	49.6	50.1	50.4	50.4	50.5	50.5	50.6	50.7	50.9	50.9
IV 12000	33.5	43.4	48.4	48.9	51.1	51.4	52.2	52.8	53.1	53.1	53.2	53.2	53.3	53.5	53.6	53.6
IV 10000	35.3	47.3	53.5	51.2	53.2	53.5	54.6	55.2	55.4	55.4	55.6	55.6	55.7	55.8	55.9	55.9
IV 9000	35.5	47.8	51.2	51.9	54.1	54.3	55.6	56.2	56.4	56.4	56.6	56.6	56.7	56.8	56.9	56.9
IV 8000	37.1	49.8	53.3	54.0	56.4	56.8	58.3	58.7	58.9	58.9	59.1	59.1	59.2	59.3	59.4	59.4
IV 7000	37.9	51.0	54.7	55.3	57.8	58.2	59.4	60.5	60.3	60.3	60.4	60.4	60.5	60.6	60.9	60.9
IV 6000	37.3	51.1	54.8	55.4	57.9	58.3	59.5	60.1	60.4	60.4	60.5	60.5	60.6	60.8	60.9	60.9
IV 5000	40.2	54.1	58.7	59.1	61.6	62.1	63.5	64.1	64.4	64.4	64.5	64.5	64.6	64.7	64.9	64.9
IV 4500	41.3	55.7	59.7	60.8	63.4	63.9	65.2	65.8	66.1	66.1	66.2	66.2	66.3	66.5	66.6	66.6
IV 4000	43.7	56.2	62.5	63.6	66.5	67.1	68.4	69.1	69.4	69.4	69.5	69.6	69.7	69.8	69.9	69.9
IV 3500	44.1	59.1	63.4	64.6	67.5	68.1	69.4	70.2	70.5	70.5	70.7	70.7	70.8	70.9	71.0	71.0
IV 3000	45.8	61.9	66.6	68.1	70.9	71.7	73.7	73.9	74.3	74.3	74.4	74.4	74.5	74.6	74.8	74.8
IV 2500	47.8	64.5	69.2	70.8	73.8	74.5	75.9	76.7	77.1	77.1	77.2	77.2	77.4	77.5	77.6	77.6
IV 2000	48.6	66.1	70.9	72.5	75.6	76.5	77.8	78.7	79.1	79.1	79.2	79.2	79.3	79.5	79.6	79.6
IV 1800	48.9	66.5	71.4	73.2	76.1	77.3	78.3	79.2	79.6	79.6	79.7	79.7	79.8	80.0	80.1	80.1
IV 1600	49.1	67.1	72.7	73.5	76.7	77.6	79.0	79.8	80.2	80.4	80.6	80.6	80.7	80.8	80.9	80.9
IV 1400	49.4	68.1	73.4	75.3	78.3	79.2	80.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 1200	49.6	68.6	73.9	75.5	79.7	79.8	81.2	82.2	82.5	82.8	82.9	82.9	83.0	83.2	83.3	83.3
IV 1000	49.6	68.7	74.1	76.1	79.5	80.3	81.7	82.7	83.0	83.3	83.4	83.4	83.5	83.7	83.8	83.8
IV 900	49.6	68.8	74.3	76.1	79.6	80.6	81.9	82.9	83.3	83.5	83.7	83.7	83.8	83.9	84.1	84.1
IV 800	49.9	69.1	74.8	76.7	80.3	81.3	82.8	84.2	84.5	84.8	84.9	84.9	85.0	85.3	85.4	85.4
IV 700	49.9	69.2	75.0	77.0	81.2	82.2	84.0	85.9	86.6	86.9	87.1	87.1	87.3	87.5	87.6	87.6
IV 600	49.9	69.2	75.1	77.4	82.2	83.3	85.3	87.7	88.6	89.0	89.1	89.1	89.4	89.6	89.7	89.7
IV 500	49.9	69.2	75.1	77.5	82.5	84.2	86.5	89.4	90.5	91.2	91.5	91.5	91.7	92.0	92.3	92.3
IV 400	49.9	69.3	75.4	77.6	82.7	84.3	86.9	90.7	92.5	93.7	94.3	94.3	94.6	94.9	95.3	95.3
IV 300	49.9	69.3	75.4	77.6	82.7	84.3	86.9	90.7	92.5	93.7	94.3	94.3	94.6	94.9	95.3	95.3
IV 200	49.9	69.3	75.4	77.6	82.7	84.3	86.9	90.7	92.5	93.7	94.3	94.3	94.6	94.9	95.3	95.3
IV 100	49.9	69.3	75.4	77.6	82.7	84.3	86.9	90.7	92.5	93.7	94.3	94.3	94.6	94.9	95.3	95.3
IV 0	49.9	69.3	75.4	77.6	82.7	84.3	86.9	90.7	92.5	93.7	94.3	94.3	94.6	94.9	95.3	95.3

TOTAL NUMBER OF OBSERVATIONS 500

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISAAA AS JP

70-79

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

627-3600

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	24.3	28.5	28.8	29.1	29.5	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8	29.8
≥20000	23.9	43.8	44.7	44.6	45.0	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.5
≥18000	34.8	44.6	45.1	45.5	45.9	46.3	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
≥16000	34.9	45.3	45.8	46.2	46.5	46.9	46.9	47.2	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥14000	36.8	47.2	47.7	48.0	48.5	48.9	48.9	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.1	49.2
≥12000	38.8	49.8	50.3	50.7	51.2	51.6	51.6	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.8
≥10000	40.7	52.8	53.5	54.2	54.9	55.2	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.5
≥9000	42.4	55.1	55.9	56.9	57.5	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.4
≥8000	44.5	58.1	59.1	60.4	61.2	61.7	61.8	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.1
≥7000	45.5	59.6	60.8	62.0	62.8	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.8
≥6000	45.8	59.9	61.7	62.4	63.7	63.9	64.1	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.6
≥5000	47.3	61.9	63.1	64.4	65.3	66.3	66.1	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.6
≥4500	48.8	63.4	64.8	66.0	66.8	67.6	67.8	68.1	68.2	68.2	68.2	68.2	68.2	68.2	68.2	68.3
≥4000	49.6	64.3	65.6	67.1	68.2	69.1	69.4	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.0
≥3500	51.1	66.0	67.2	68.9	70.1	71.1	71.2	71.5	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥3000	52.5	68.3	69.7	71.4	72.6	73.5	73.6	74.7	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.4
≥2500	54.7	71.2	72.5	74.3	75.5	76.4	76.7	76.9	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.3
≥2000	55.4	72.5	73.9	75.5	76.8	77.7	77.9	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6
≥1800	55.4	72.5	73.9	75.5	76.8	77.7	77.9	78.2	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.6
≥1500	55.9	73.3	74.7	76.3	77.6	78.4	78.7	78.9	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.3
≥1200	56.2	74.4	76.1	77.9	79.6	80.5	80.7	81.1	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.3
≥1000	56.5	75.0	76.7	78.6	80.5	81.3	81.6	81.8	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.2
≥900	56.7	75.3	76.9	78.8	80.7	81.6	81.8	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.5
≥800	56.7	75.3	77.7	79.1	81.3	82.2	82.5	82.8	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.2
≥700	56.9	75.7	77.4	79.4	81.7	82.5	83.0	83.4	83.6	83.6	83.6	83.6	83.6	83.6	83.6	83.7
≥600	57.1	76.0	78.1	80.1	82.7	83.6	84.3	84.5	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.9
≥500	57.4	76.3	78.6	80.6	84.0	85.2	86.1	86.6	86.9	86.9	86.9	86.9	86.9	86.9	86.9	87.0
≥400	57.8	76.7	79.3	81.3	85.2	86.8	88.1	89.4	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.2
≥300	57.9	76.8	79.3	81.7	86.5	88.7	90.2	91.7	92.3	92.6	92.7	92.7	92.7	92.7	92.8	92.9
≥200	57.9	76.9	79.7	82.2	87.3	89.7	91.6	93.7	94.6	95.2	95.3	95.3	95.3	95.3	95.7	96.2
≥100	57.9	76.9	79.7	82.2	87.4	90.0	91.9	94.1	95.1	95.2	96.6	96.7	96.8	97.4	97.5	99.3
≥0	57.7	76.9	79.7	82.2	87.4	90.0	91.9	94.1	95.1	96.2	96.6	96.7	96.8	97.4	97.7	100.0

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
METEC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION ISAAA 45 JP

73-79

MAY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

9:17-11:00
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	26.2	29.7	29.7	29.6	37.2	30.3	30.3	30.3	30.3	30.3	30.4	30.4	30.4	30.4	30.4	30.4
IV 20000	34.5	43.8	44.7	45.1	45.5	45.6	45.6	45.6	45.6	45.6	45.7	45.7	45.7	45.7	45.7	45.7
IV 18000	35.1	45.1	46.1	46.1	46.7	46.8	46.8	46.8	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0
IV 16000	35.6	46.5	47.1	47.2	47.7	47.8	47.8	47.8	47.8	47.8	48.1	48.1	48.1	48.1	48.1	48.1
IV 14000	37.7	48.5	49.6	49.9	50.6	50.7	50.7	50.7	50.7	50.7	51.7	51.8	51.8	51.8	51.8	51.8
IV 12000	41.2	51.2	52.4	52.9	53.5	53.6	53.6	53.6	53.6	53.6	53.8	53.8	53.8	53.8	53.8	53.8
IV 10000	42.3	53.6	54.9	55.4	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2
IV 9000	43.3	55.1	56.4	57.1	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8
IV 8000	47.2	59.8	61.1	61.7	62.4	62.5	62.5	62.5	62.5	62.5	62.7	62.7	62.7	62.7	62.7	62.7
IV 7000	48.7	61.3	62.3	63.4	64.3	64.4	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5
IV 6000	48.7	61.4	62.3	63.5	64.4	64.6	64.6	64.6	64.6	64.6	64.8	64.8	64.8	64.8	64.8	64.8
IV 5000	49.7	62.7	64.2	64.9	65.9	66.3	66.3	66.3	66.3	66.3	66.4	66.4	66.4	66.4	66.4	66.4
IV 4500	50.7	64.4	65.9	66.6	67.6	68.3	68.3	68.3	68.3	68.3	68.1	68.1	68.1	68.1	68.1	68.1
IV 4000	51.4	65.8	67.4	68.5	69.5	69.8	69.8	70.2	70.7	70.7	70.1	70.1	70.1	70.1	70.1	70.1
IV 3500	53.9	68.5	70.2	71.6	72.8	73.3	73.3	73.4	73.4	73.4	73.5	73.5	73.5	73.5	73.5	73.5
IV 3000	56.9	72.7	74.5	76.1	77.4	77.9	77.9	78.3	78.7	78.7	78.1	78.1	78.1	78.1	78.1	78.1
IV 2500	58.7	75.9	77.9	79.6	81.0	81.5	81.5	81.6	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7
IV 2000	59.1	76.6	78.6	80.3	81.8	82.3	82.3	82.4	82.4	82.4	82.6	82.6	82.6	82.6	82.6	82.6
IV 1800	59.5	77.1	79.1	80.8	82.3	82.8	82.8	82.9	82.9	82.9	83.1	83.1	83.1	83.1	83.1	83.1
IV 1500	59.1	77.8	79.7	81.5	82.9	83.4	83.4	83.6	83.6	83.6	83.7	83.7	83.7	83.7	83.7	83.7
IV 1200	59.4	78.7	81.2	82.9	84.4	84.9	84.9	85.1	85.1	85.1	85.2	85.2	85.2	85.2	85.2	85.2
IV 1000	59.7	79.1	81.7	83.4	84.9	85.4	85.4	85.5	85.5	85.5	85.7	85.7	85.7	85.7	85.7	85.7
IV 900	59.7	79.5	81.8	83.6	85.2	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9	85.9	85.9	85.9
IV 800	59.3	79.9	82.6	84.3	86.0	86.7	86.7	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9
IV 700	59.6	80.6	83.4	85.2	87.0	87.6	87.6	87.7	87.7	87.7	88.1	88.1	88.1	88.1	88.1	88.1
IV 600	59.3	81.3	84.3	86.1	88.6	89.4	89.4	89.5	89.5	89.5	89.7	89.7	89.7	89.7	89.7	89.7
IV 500	59.9	82.0	85.8	87.8	90.5	91.3	91.3	91.5	91.5	91.5	92.3	92.3	92.3	92.3	92.3	92.3
IV 400	59.1	82.7	86.7	88.1	91.5	92.8	92.8	93.3	93.3	93.3	94.1	94.1	94.1	94.1	94.1	94.1
IV 300	63.2	82.8	86.4	88.8	92.8	94.2	94.2	95.4	95.4	95.4	96.7	96.7	96.7	96.7	96.7	96.7
IV 200	63.3	83.1	86.9	89.1	93.2	94.6	94.6	95.3	95.3	95.3	97.4	97.4	97.4	97.4	97.4	97.4
IV 100	63.3	83.1	86.8	89.1	93.3	94.7	94.7	95.9	95.9	95.9	97.8	97.8	97.8	97.8	97.8	97.8
IV 0	63.3	83.1	86.8	89.1	93.3	94.7	94.7	95.9	95.9	95.9	98.6	98.6	98.6	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 459

JOINT CLIMATOLOGY BRANCH
USAF ETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISLA 46 JP YEAR 70-72 MONTH MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1270-1491

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	26.9	29.6	37.5	30.5	37.5	33.5	33.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5	30.5
≥ 20000	40.1	49.3	51.0	51.0	51.0	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 19000	40.4	50.2	51.9	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 18000	41.1	51.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 17000	42.0	52.5	54.0	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 16000	43.3	53.0	56.8	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0	57.0
≥ 15000	45.5	57.0	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 14000	46.4	56.5	60.5	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
≥ 13000	48.1	60.7	62.5	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8	62.8
≥ 12000	49.1	62.2	64.1	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 11000	49.3	62.5	64.4	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 10000	50.3	64.8	67.1	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 9000	51.6	65.9	68.3	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 8000	53.6	63.7	71.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 7000	55.6	71.6	73.9	74.2	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
≥ 6000	56.8	77.3	79.9	80.3	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 5000	60.8	80.3	82.7	83.3	83.9	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 4500	61.4	81.3	83.8	84.4	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 4000	61.7	81.3	84.1	84.6	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 3500	61.9	81.7	84.3	84.9	85.5	85.9	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 3000	62.3	82.7	85.4	86.1	86.6	86.9	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 2500	62.6	83.8	86.5	87.2	87.8	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2000	62.8	83.9	87.2	87.8	88.4	88.8	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 1800	63.0	84.3	87.5	88.1	88.9	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 1600	63.4	84.6	87.9	89.0	89.7	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 1400	63.7	85.1	88.4	89.5	90.9	91.3	91.5	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 1200	64.2	85.6	89.1	90.3	92.0	92.7	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 1000	64.9	86.5	90.3	91.7	93.7	94.6	95.2	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 900	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 800	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 700	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 600	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 500	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 400	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 300	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 200	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 100	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 0	65.2	86.8	90.8	92.3	94.6	95.5	96.4	97.7	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1

TOTAL NUMBER OF OBSERVATIONS 627

FEDERAL CLIMATOLOGY BRANCH
 WAFETAC
 4710 WATSON SE-1100/1100

CEILING VERSUS VISIBILITY

STATION: TISAWA 17 JP

70-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1510-1700

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	25.4	29.4	30.2	31.1	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6	30.6
≥ 20000	29.4	49.0	51.7	51.1	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
≥ 18000	47.2	53.3	51.6	51.7	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	43.6	51.3	52.6	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
≥ 14000	41.0	52.3	53.3	53.9	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 12000	42.4	54.2	55.3	55.6	56.0	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
≥ 10000	45.0	57.3	58.3	59.0	59.3	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 9000	45.7	58.4	59.7	59.8	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 8000	48.3	62.3	64.7	64.1	64.7	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 7000	49.7	63.8	65.7	65.8	66.4	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 6000	51.3	64.3	66.2	66.3	66.9	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1	67.1
≥ 5000	52.1	66.2	68.1	68.2	69.0	69.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 4500	52.3	67.5	69.4	69.7	70.6	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 4000	54.1	70.7	72.1	72.3	73.4	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 3500	57.8	73.8	75.9	76.2	77.4	77.5	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	60.3	77.3	79.7	79.9	81.1	81.3	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 2500	62.3	79.7	82.2	82.4	83.6	83.9	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	63.1	80.9	83.1	83.6	84.8	85.1	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3	85.3
≥ 1800	63.1	81.7	83.3	83.8	85.0	85.2	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1500	63.1	81.1	83.5	83.8	85.1	85.3	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1200	63.1	81.3	84.7	84.2	85.6	85.8	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 1000	63.5	80.9	84.9	84.7	86.7	86.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 900	63.5	81.9	84.5	84.7	86.3	86.3	86.6	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 800	63.5	82.1	84.7	85.0	86.3	86.5	86.9	87.1	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 700	63.3	82.7	85.3	85.6	87.1	87.4	87.7	88.1	88.1	88.2	88.2	88.2	88.2	88.2	88.2	88.2
≥ 600	64.1	83.3	86.1	86.3	87.8	88.3	88.6	89.1	89.3	89.5	89.5	89.5	89.5	89.5	89.5	89.5
≥ 500	64.1	83.6	86.5	86.9	88.8	89.3	89.9	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 400	64.3	84.1	87.4	88.0	90.0	90.7	91.5	92.4	92.8	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 300	64.7	84.6	88.3	89.2	91.3	92.3	93.6	94.9	95.3	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 200	64.3	84.7	88.7	89.7	91.9	93.0	94.7	96.3	96.7	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 100	64.9	84.7	88.7	89.7	91.9	93.1	94.7	96.3	97.5	98.8	98.9	99.2	99.4	99.6	100.0	100.0
≥ 0	64.9	84.7	88.7	89.7	91.9	93.1	94.7	96.3	97.5	98.8	98.9	99.2	99.4	99.6	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 531

LOCAL CLIMATOLOGY BRANCH
 100-1720
 AIR STATION SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

7L-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

1510-2020
 MAY 1979

CEILING feet	VISIBILITY STATUTE MILES															
	20	20	21	24	23	22	21	21	21	21	21	21	21	21	21	20
NO CEILING	27.5	31.4	31.2	31.6	32.0	32.1	32.1	32.1	32.7	32.0	32.7	32.3	32.3	32.3	32.4	32.4
2 20000	29.5	29.3	31.2	31.8	32.3	32.4	32.4	32.4	32.7	32.7	32.7	32.7	32.7	32.7	32.8	32.8
2 15000	30.3	31.1	32.1	32.5	32.8	33.2	33.2	33.2	33.4	33.4	33.4	33.4	33.4	33.4	33.5	33.5
2 10000	40.6	31.2	33.1	33.8	34.4	34.5	34.5	34.5	34.8	34.8	34.8	34.8	34.8	34.8	34.9	34.9
2 4000	41.5	32.4	34.3	35.1	35.7	35.9	35.9	35.9	36.1	36.1	36.1	36.1	36.1	36.1	36.2	36.2
2 3000	43.4	34.9	36.7	37.4	38.2	38.3	38.3	38.3	38.5	38.5	38.5	38.5	38.5	38.5	38.7	38.7
2 2000	44.8	37.3	39.3	40.2	41.0	41.1	41.1	41.1	41.3	41.3	41.3	41.3	41.3	41.3	41.5	41.5
2 1500	45.2	37.9	40.0	41.2	42.0	42.1	42.1	42.1	42.3	42.3	42.3	42.3	42.3	42.3	42.4	42.4
2 1000	47.3	36.7	43.0	44.3	45.4	45.5	45.5	45.5	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9
2 800	48.2	32.1	44.6	45.2	47.0	47.1	47.2	47.1	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4
2 700	49.3	33.3	46.1	47.5	48.4	48.5	48.5	48.5	48.8	48.8	48.8	48.8	48.8	48.8	48.9	48.9
2 600	51.3	36.1	48.7	50.6	51.6	51.8	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.6	52.6
2 500	52.3	37.6	50.2	52.2	53.2	53.4	53.7	53.8	54.0	54.0	54.0	54.0	54.0	54.0	54.1	54.1
2 4500	54.3	39.4	52.4	54.5	55.0	55.3	55.7	55.8	56.1	56.1	56.1	56.1	56.1	56.1	56.2	56.2
2 3500	55.7	41.0	54.1	56.3	57.8	58.9	59.9	60.9	61.1	61.1	61.1	61.1	61.1	61.1	61.3	61.3
2 3000	58.0	43.5	56.8	59.1	61.3	61.7	61.8	62.1	62.1	62.1	62.1	62.1	62.1	62.1	62.2	62.2
2 2500	59.1	45.1	58.4	60.8	62.2	62.9	63.3	63.4	63.7	63.7	63.7	63.7	63.7	63.7	63.8	63.8
2 2000	59.4	45.7	59.1	61.3	62.9	63.7	64.0	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5
2 1800	59.8	45.7	59.1	61.3	62.9	63.7	64.0	64.1	64.4	64.4	64.4	64.4	64.4	64.4	64.5	64.5
2 1500	59.4	46.3	59.8	62.1	63.5	64.3	64.6	64.6	65.0	65.0	65.0	65.0	65.0	65.0	65.1	65.1
2 1200	59.4	46.7	60.2	62.4	64.0	64.8	65.1	65.2	65.5	65.5	65.5	65.5	65.5	65.5	65.7	65.7
2 1000	59.6	47.2	60.7	62.9	64.5	65.2	65.6	65.7	66.0	66.0	66.0	66.0	66.0	66.0	66.2	66.2
2 900	59.8	47.3	60.8	63.1	64.6	65.4	65.7	65.9	66.1	66.1	66.1	66.1	66.1	66.1	66.3	66.3
2 800	59.8	47.6	61.1	63.3	64.9	65.7	66.1	66.5	66.8	66.8	66.8	66.8	66.8	66.8	67.1	67.1
2 750	59.8	47.8	61.3	63.5	65.2	66.1	66.6	67.0	67.3	67.3	67.3	67.3	67.3	67.3	67.6	67.6
2 700	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 600	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 500	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 400	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 300	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 200	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 150	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 100	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 50	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8
2 0	59.8	48.3	62.1	64.3	65.3	67.2	67.8	68.2	68.5	68.5	68.5	68.5	68.5	68.5	68.8	68.8

TOTAL NUMBER OF OBSERVATIONS 520

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
1442

STATION NAME
NLSAWA A2 JP

YEARS
73-79

MONTH
MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

21.07-23.00
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	25.9	31.5	32.7	33.4	34.7	35.3	35.5	35.5	35.6	35.6	35.7	35.7	35.7	35.7	35.7	35.7
≥ 20000	35.6	45.7	47.9	48.9	50.3	51.1	51.2	51.2	51.3	51.3	51.6	51.6	51.6	51.6	51.6	51.6
≥ 18000	35.5	46.1	47.9	49.3	50.7	51.5	51.6	51.6	51.7	51.7	52.0	52.0	52.0	52.0	52.0	52.0
≥ 16000	36.6	46.9	48.8	50.3	51.7	52.5	52.6	52.6	52.8	52.8	53.2	53.0	53.0	53.0	53.0	53.0
≥ 14000	37.6	48.4	50.3	51.9	53.3	54.0	54.2	54.2	54.3	54.3	54.5	54.5	54.5	54.5	54.5	54.5
≥ 12000	39.4	50.6	52.5	54.0	55.4	56.2	56.3	56.3	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7
≥ 10000	40.5	51.9	53.9	55.4	57.1	58.0	58.1	58.1	58.3	58.3	58.5	58.5	58.5	58.5	58.5	58.5
≥ 7000	41.6	53.4	55.4	57.0	58.6	59.5	59.7	59.7	59.8	59.8	60.1	60.1	60.1	60.1	60.1	60.1
≥ 8000	43.7	56.9	59.0	60.6	62.4	63.3	63.4	63.4	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8
≥ 7000	44.7	58.4	60.7	62.2	64.0	64.9	65.0	65.0	65.2	65.2	65.4	65.4	65.4	65.4	65.4	65.4
≥ 6000	44.6	59.3	61.6	63.1	64.9	65.8	65.9	65.9	66.1	66.1	66.3	66.3	66.3	66.3	66.3	66.3
≥ 5000	45.7	61.1	63.9	65.8	67.6	68.5	68.8	68.9	69.1	69.1	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	47.4	63.1	66.1	68.0	70.0	70.9	71.2	71.6	71.8	71.8	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4000	48.4	64.3	67.3	69.7	71.8	72.9	73.2	73.8	74.1	74.1	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	48.7	65.2	68.2	70.6	72.9	74.3	74.5	75.0	75.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3000	51.5	68.8	72.7	74.3	76.6	77.7	78.2	78.7	79.1	79.1	79.4	79.4	79.4	79.4	79.4	79.4
≥ 2500	53.3	70.8	74.0	76.4	78.9	80.3	80.5	81.0	81.4	81.4	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2000	53.6	71.6	74.8	77.2	79.8	80.9	81.6	82.1	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1800	53.8	71.6	74.8	77.2	79.8	80.9	81.6	82.1	82.5	82.5	82.7	82.7	82.7	82.7	82.7	82.7
≥ 1500	53.9	72.2	75.4	77.8	80.4	81.6	82.2	82.8	83.4	83.4	83.6	83.6	83.6	83.6	83.6	83.6
≥ 1200	54.3	73.1	76.3	78.7	81.3	82.5	83.1	83.7	84.3	84.3	84.5	84.5	84.5	84.5	84.5	84.5
≥ 1000	54.3	73.4	76.6	79.0	81.6	82.7	83.6	84.3	84.8	84.8	85.0	85.0	85.0	85.0	85.0	85.0
≥ 900	54.3	73.4	76.7	79.1	81.8	83.2	83.9	84.5	85.1	85.1	85.3	85.3	85.3	85.3	85.3	85.3
≥ 800	54.4	73.6	77.1	79.5	82.2	83.4	84.5	85.1	85.8	85.8	86.0	86.0	86.0	86.0	86.0	86.0
≥ 700	54.4	73.6	77.2	79.6	82.3	83.5	84.6	85.4	86.0	86.0	86.3	86.3	86.3	86.3	86.3	86.3
≥ 600	54.7	74.3	77.7	80.3	83.1	84.3	85.4	86.2	86.8	86.8	87.1	87.1	87.1	87.1	87.1	87.1
≥ 500	55.2	74.8	78.4	80.9	84.0	85.3	86.7	87.6	88.3	88.3	88.6	88.6	88.6	88.6	88.6	88.6
≥ 400	55.2	74.9	78.5	81.0	84.5	85.8	87.8	89.1	89.9	89.9	90.1	90.1	90.1	90.1	90.1	90.1
≥ 300	55.2	74.9	78.5	81.0	84.5	85.8	87.8	90.7	91.5	91.5	91.7	91.7	91.7	91.7	91.7	91.7
≥ 200	55.2	74.9	78.5	81.0	84.5	85.9	88.6	92.1	93.6	94.2	94.6	94.8	94.9	94.9	95.0	95.3
≥ 100	55.3	75.0	78.6	81.2	84.6	86.0	88.7	92.6	94.2	95.0	95.8	96.0	96.5	97.3	98.2	98.7
≥ 0	55.3	75.0	78.6	81.2	84.6	86.0	88.7	92.6	94.2	95.0	95.8	96.0	96.5	97.6	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS 781

CLIMAT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISAWA AB JP

75-79

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1	≥1.5	≥1	≥1.5	≥1	≥1.5	≥1	≥1.5	≥1	≥0
NO CEILING	25.7	29.7	30.8	31.2	31.9	32.1	32.2	32.3	32.4	32.4	32.4	32.4	32.5	32.5	32.5	32.5	32.6
≥ 20000	36.2	45.3	47.5	48.7	48.9	49.2	49.4	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.8	49.9
≥ 18000	36.5	46.6	48.3	48.8	49.7	50.0	50.1	50.3	50.3	50.4	50.4	50.4	50.4	50.5	50.5	50.5	50.5
≥ 16000	37.7	47.4	49.2	49.7	50.6	50.9	51.1	51.2	51.3	51.3	51.3	51.4	51.4	51.4	51.5	51.5	51.5
≥ 14000	38.1	48.9	50.7	51.2	52.2	52.5	52.7	52.8	52.9	52.9	53.0	53.0	53.0	53.1	53.1	53.1	53.1
≥ 12000	39.9	51.2	53.7	53.7	54.6	54.9	55.1	55.3	55.4	55.4	55.4	55.4	55.5	55.5	55.5	55.5	55.6
≥ 10000	41.5	53.4	55.4	56.1	57.1	57.4	57.6	57.8	57.9	57.9	58.0	58.0	58.0	58.1	58.1	58.1	58.1
≥ 9000	42.4	54.6	56.7	57.4	58.5	58.8	59.1	59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.5	59.6
≥ 8000	44.8	57.3	59.9	60.8	62.0	62.4	62.6	62.8	62.9	62.9	63.0	63.0	63.0	63.1	63.1	63.1	63.1
≥ 7000	45.6	58.1	61.4	62.3	63.5	63.8	64.1	64.3	64.4	64.4	64.5	64.5	64.5	64.6	64.6	64.6	64.6
≥ 6000	46.3	59.4	61.9	62.8	64.0	64.4	64.7	64.9	65.1	65.1	65.1	65.1	65.1	65.2	65.2	65.2	65.2
≥ 5000	47.6	61.7	64.2	65.4	66.7	67.1	67.4	67.7	67.8	67.8	67.9	67.9	67.9	68.0	68.0	68.0	68.1
≥ 4500	48.9	63.2	65.7	66.9	68.3	68.8	69.1	69.4	69.5	69.6	69.6	69.6	69.6	69.7	69.7	69.7	69.7
≥ 4000	50.2	65.1	67.7	69.1	70.6	71.2	71.5	71.8	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.2	72.2
≥ 3500	51.7	67.0	69.7	71.1	72.8	73.4	73.8	74.1	74.3	74.3	74.3	74.3	74.3	74.4	74.4	74.4	74.5
≥ 3000	54.1	70.4	73.3	74.8	76.5	77.2	77.6	78.0	78.1	78.1	78.2	78.2	78.2	78.3	78.3	78.3	78.3
≥ 2500	55.9	72.9	75.9	77.5	79.3	80.0	80.4	80.8	80.9	81.0	81.0	81.0	81.1	81.1	81.1	81.1	81.2
≥ 2000	56.5	74.0	77.0	78.6	80.5	81.2	81.6	81.9	82.1	82.2	82.2	82.2	82.2	82.3	82.3	82.3	82.3
≥ 1800	56.6	74.1	77.1	78.7	80.6	81.3	81.7	82.1	82.2	82.3	82.3	82.3	82.3	82.4	82.4	82.4	82.5
≥ 1500	56.8	74.5	77.5	79.1	81.1	81.8	82.2	82.6	82.8	82.8	82.9	82.9	82.9	83.0	83.0	83.0	83.0
≥ 1200	57.1	75.3	78.5	80.1	82.1	82.8	83.3	83.7	83.8	83.9	84.0	84.0	84.0	84.1	84.1	84.1	84.1
≥ 1000	57.3	76.0	79.2	80.9	82.9	83.6	84.1	84.5	84.7	84.8	84.9	84.9	84.9	85.0	85.0	85.0	85.0
≥ 900	57.4	76.1	79.4	81.1	83.2	83.9	84.4	84.9	85.0	85.1	85.2	85.2	85.2	85.3	85.3	85.3	85.3
≥ 800	57.6	76.4	79.8	81.6	83.8	84.6	85.1	85.6	85.8	85.9	86.0	86.0	86.0	86.1	86.1	86.2	86.2
≥ 700	57.7	76.8	80.2	82.0	84.3	85.1	85.7	86.2	86.4	86.5	86.6	86.6	86.6	86.7	86.7	86.7	86.8
≥ 600	58.0	77.3	80.8	82.7	85.2	86.1	86.7	87.3	87.6	87.7	87.8	87.8	87.8	87.9	87.9	88.0	88.0
≥ 500	58.3	77.7	81.4	83.4	86.2	87.3	88.1	89.0	89.4	89.5	89.6	89.6	89.6	89.7	89.7	89.7	89.8
≥ 400	58.6	78.1	81.9	84.0	87.4	88.6	89.7	90.9	91.4	91.6	91.7	91.7	91.8	91.9	91.9	91.9	92.0
≥ 300	58.7	78.2	82.2	84.4	88.1	89.5	91.0	92.9	93.6	93.9	94.1	94.1	94.2	94.3	94.3	94.3	94.3
≥ 200	58.7	78.3	82.3	84.6	88.4	90.0	91.7	94.0	95.1	95.6	95.8	95.9	96.0	96.2	96.3	96.5	96.5
≥ 100	58.8	78.3	82.4	84.6	88.5	90.1	91.9	94.4	95.6	96.5	96.9	97.1	97.4	97.9	98.4	99.1	99.1
≥ 0	58.8	78.3	82.4	84.6	88.5	90.1	91.9	94.4	95.6	96.5	96.9	97.1	97.4	98.5	98.6	98.6	98.6

TOTAL NUMBER OF OBSERVATIONS 6436

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

WISAKA AB JP

STATE NAME

75-79

YEARS

JUN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3000-0200
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING	11.4	15.2	17.4	19.1	21.5	22.8	23.3	24.1	24.5	24.9	25.0	25.2	25.4	25.3	25.9	26.6
≥ 20000	13.9	18.8	21.5	23.4	27.2	28.9	29.6	30.8	31.3	31.7	31.8	31.9	32.2	32.6	32.9	33.5
≥ 18000	13.5	19.7	21.6	23.4	27.4	29.2	29.8	31.1	31.5	31.9	32.1	32.1	32.5	32.9	33.1	33.8
≥ 16000	13.5	19.3	21.7	23.7	27.5	29.3	30.4	31.2	31.7	32.1	32.2	32.2	32.6	33.0	33.2	33.7
≥ 14000	14.0	20.0	22.8	24.7	28.5	30.4	31.7	32.3	32.9	33.2	33.4	33.4	33.8	34.2	34.4	35.1
≥ 12000	14.3	20.8	23.6	25.5	29.7	31.5	32.2	33.5	34.7	34.4	34.6	34.6	34.9	35.3	35.6	36.3
≥ 10000	14.8	21.3	24.1	26.2	30.4	32.2	33.0	34.4	34.9	35.3	35.5	35.5	35.9	36.3	36.5	37.2
≥ 9000	15.6	22.1	24.9	27.0	31.2	33.0	33.8	35.5	36.7	36.4	36.5	36.5	36.9	37.3	37.6	38.1
≥ 8000	16.4	22.9	25.7	27.7	32.3	34.2	34.9	36.8	37.3	37.7	37.8	37.8	38.2	38.6	38.9	39.5
≥ 7000	16.6	23.3	26.1	28.3	32.9	34.7	35.5	37.3	37.8	38.2	38.4	38.4	38.7	39.1	39.4	40.1
≥ 6000	16.6	23.3	26.1	28.4	33.0	34.8	35.6	37.4	38.0	38.4	38.5	38.5	38.9	39.3	39.5	40.2
≥ 5000	18.3	25.3	28.4	31.8	35.5	37.4	38.2	40.1	40.6	41.0	41.1	41.1	41.5	41.9	42.1	42.8
≥ 4500	19.6	27.1	30.2	32.6	37.3	39.3	40.2	42.1	42.5	42.9	43.1	43.1	43.5	43.8	44.1	44.8
≥ 4000	21.3	29.2	32.3	34.7	41.1	42.3	43.3	45.5	46.2	46.6	46.7	46.7	47.1	47.5	47.8	48.4
≥ 3500	22.3	30.1	33.8	36.3	41.9	44.1	45.2	47.8	48.4	49.1	49.1	49.1	49.5	49.9	50.1	50.8
≥ 3000	23.4	33.1	36.9	39.7	45.8	48.0	49.2	51.8	52.5	53.7	53.1	53.1	53.5	53.9	54.2	54.8
≥ 2500	25.1	34.8	38.9	41.6	47.8	50.1	51.3	53.9	54.6	55.1	55.2	55.2	55.6	56.0	56.3	56.9
≥ 2000	25.1	34.8	39.7	41.8	48.3	50.7	51.9	54.5	55.1	55.6	55.9	55.9	56.2	56.5	56.8	57.5
≥ 1800	25.1	34.8	39.4	42.1	49.7	51.3	52.2	54.6	55.5	56.0	56.2	56.2	56.5	56.9	57.2	57.9
≥ 1500	25.1	36.7	41.6	43.3	49.9	52.2	53.4	56.0	56.7	57.2	57.3	57.3	57.7	58.1	58.4	59.0
≥ 1200	25.1	36.3	41.7	43.3	50.0	52.4	53.5	56.2	56.8	57.3	57.5	57.5	57.9	58.2	58.5	59.2
≥ 1000	25.5	36.4	41.1	43.8	51.5	52.9	54.1	56.7	57.3	57.9	58.0	58.0	58.4	58.8	59.2	59.7
≥ 900	25.7	36.5	41.2	44.1	50.9	53.3	54.5	57.1	57.7	58.2	58.4	58.4	58.8	59.2	59.6	60.1
≥ 800	26.0	36.9	41.6	44.4	51.3	53.7	54.8	57.5	58.1	58.6	58.8	58.8	59.2	59.6	59.8	60.5
≥ 700	26.3	37.2	41.9	44.6	51.6	53.9	55.1	57.7	58.4	58.9	59.7	59.7	59.4	59.8	60.1	60.7
≥ 600	27.2	38.1	42.8	45.5	52.6	55.0	56.3	58.9	59.6	60.1	60.2	60.2	60.6	61.0	61.3	61.9
≥ 500	27.9	39.3	43.9	48.0	55.2	57.6	58.9	61.6	62.3	62.8	63.0	63.0	63.4	63.7	64.0	64.7
≥ 400	28.3	39.9	45.8	49.7	56.9	59.7	61.6	64.4	65.2	66.0	66.2	66.2	66.6	67.0	67.3	67.9
≥ 300	28.3	43.1	45.9	49.3	58.8	62.0	65.2	68.6	70.3	71.6	71.9	72.0	72.6	73.0	73.3	74.0
≥ 200	28.3	40.2	46.5	50.5	61.0	65.2	69.6	75.7	77.7	79.7	80.9	81.2	82.5	83.4	83.8	84.4
≥ 100	28.3	41.3	46.9	50.9	61.9	66.2	71.1	78.5	81.4	84.0	86.1	87.3	88.9	91.8	93.6	95.8
≥ 0	28.3	40.3	46.9	50.9	61.9	66.2	71.1	78.5	81.4	84.0	86.1	87.6	89.1	92.5	94.9	100.0

TOTAL NUMBER OF OBSERVATIONS 754

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION VISAWA AB JP

76-79

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

300-0000
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	17.4	15.3	14.6	15.2	17.4	18.2	18.7	20.1	20.4	20.7	21.3	21.4	21.8	21.9	22.2	23.1
≥ 20000	13.5	17.1	19.2	21.1	22.8	23.6	24.2	26.3	26.5	27.1	27.7	27.8	28.2	28.4	28.6	29.5
≥ 18000	13.5	17.3	19.5	21.5	23.6	24.4	25.2	27.1	27.3	27.8	28.5	28.6	29.0	29.1	29.4	30.3
≥ 16000	14.7	17.9	21.1	21.6	25.2	25.8	26.4	28.5	29.7	29.3	29.9	30.3	30.4	30.5	30.8	31.7
≥ 14000	14.7	18.8	21.9	22.6	26.2	26.9	27.7	29.8	30.7	30.5	31.2	31.3	31.7	31.8	32.1	33.0
≥ 12000	15.7	20.2	22.4	24.0	27.7	28.5	29.3	31.3	31.6	32.1	32.7	32.9	33.2	33.5	33.8	34.7
≥ 10000	15.2	20.7	23.2	24.7	28.7	29.6	30.5	32.7	33.7	33.8	34.4	34.5	34.9	35.2	35.4	36.3
≥ 9000	17.0	21.5	24.0	25.5	29.8	30.7	31.6	33.8	34.7	34.8	35.4	35.7	36.1	36.3	36.6	37.5
≥ 8000	17.7	22.3	24.7	26.3	30.9	32.0	32.9	35.2	35.4	36.2	36.9	37.1	37.5	37.8	38.0	38.9
≥ 7000	17.9	22.7	25.3	27.1	32.0	33.0	34.0	36.3	36.6	37.4	38.0	38.3	38.7	38.9	39.2	40.1
≥ 6000	17.9	22.8	25.4	27.2	32.1	33.1	34.1	36.5	36.7	37.5	38.1	38.4	38.8	39.0	39.3	40.2
≥ 5000	19.1	24.5	27.2	29.1	34.1	35.2	36.3	38.7	38.9	39.7	40.3	40.6	41.0	41.2	41.5	42.4
≥ 4500	20.6	26.2	29.1	30.9	36.0	37.1	38.3	40.6	40.9	41.6	42.3	42.5	42.9	43.2	43.4	44.3
≥ 4000	21.9	28.1	31.1	33.0	38.1	39.7	41.1	44.1	44.5	45.2	45.9	46.1	46.5	46.9	47.2	48.1
≥ 3500	22.7	29.8	33.1	35.1	40.2	41.8	43.3	46.5	46.9	47.7	48.3	48.6	49.1	49.5	49.7	50.6
≥ 3000	25.4	33.4	37.5	39.4	45.1	46.8	48.3	51.5	51.9	52.7	53.4	53.6	54.1	54.6	54.9	55.8
≥ 2500	25.9	34.0	38.1	40.1	45.9	47.7	49.2	52.6	53.7	53.7	54.4	54.6	55.2	55.7	55.9	56.8
≥ 2000	26.5	34.7	38.8	40.7	46.5	48.3	49.9	53.2	53.6	54.4	55.0	55.3	55.3	56.3	56.6	57.5
≥ 1800	26.5	34.7	38.9	40.9	46.6	48.5	50.0	53.4	53.7	54.5	55.2	55.4	55.9	56.4	56.7	57.6
≥ 1500	26.8	35.2	39.7	41.6	47.4	49.2	50.8	54.1	54.6	55.4	56.1	56.3	57.0	57.5	57.7	58.6
≥ 1200	26.8	35.4	40.1	42.0	47.8	49.6	51.2	54.5	55.0	55.8	56.4	56.7	57.3	57.9	58.1	59.0
≥ 1000	26.8	35.7	40.3	42.4	48.2	50.0	51.5	55.0	55.5	56.3	57.0	57.2	57.9	58.4	58.6	59.5
≥ 900	26.8	35.7	40.5	42.8	48.8	50.6	52.2	55.8	56.3	57.1	57.7	58.0	58.6	59.1	59.4	60.3
≥ 800	26.9	35.8	40.6	42.9	49.1	50.9	52.4	56.1	56.7	57.5	58.1	58.4	59.0	59.5	59.8	60.7
≥ 700	27.4	36.5	41.2	43.6	50.0	51.8	53.4	57.1	57.7	58.5	59.1	59.4	60.1	60.6	60.8	61.7
≥ 600	28.2	37.4	42.1	44.6	51.2	53.0	54.5	58.2	58.9	59.7	60.3	60.6	61.2	61.7	62.0	62.9
≥ 500	28.6	38.1	43.4	46.4	53.2	55.0	57.1	61.0	61.6	62.4	63.1	63.4	64.0	64.6	64.8	65.7
≥ 400	29.1	38.5	44.1	47.2	54.9	56.8	59.3	63.7	64.6	65.5	66.2	66.5	67.1	67.7	68.0	68.9
≥ 300	29.2	38.5	44.2	47.4	55.8	58.1	61.5	67.3	69.1	70.6	71.8	72.0	72.7	73.2	73.7	74.6
≥ 200	29.3	38.8	44.5	47.7	56.2	59.3	63.7	71.6	73.8	76.4	78.1	78.6	79.4	80.2	80.8	82.2
≥ 100	29.3	38.8	44.5	47.7	56.8	60.1	64.7	73.2	76.4	79.9	82.5	83.1	85.3	88.3	91.0	95.7
≥ 0	29.3	38.8	44.5	47.7	56.8	60.1	64.7	73.2	76.4	79.9	82.5	83.1	85.3	88.5	91.4	100.0

TOTAL NUMBER OF OBSERVATIONS 176

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

414 2 MISAWA AB JP STATION NAME

76-79 YEARS

JUN MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

26.22-28.65 HOURS PER YEAR

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.8	≥.6	≥.5	≥.4	≥.3	≥.2
NO CEILING	11.5	14.7	16.6	17.4	18.6	18.9	19.1	19.6	19.7	19.7	19.9	20.0	20.1	20.2	20.2	20.3
≥ 20000	16.1	21.3	23.2	24.3	26.3	26.6	27.7	28.3	28.7	28.7	28.7	28.7	28.7	28.7	28.7	28.7
IV 18000	16.4	21.7	23.9	25.3	27.5	27.2	27.6	28.6	28.7	28.7	28.8	29.0	29.1	29.2	29.2	29.3
IV 16000	17.1	22.5	24.7	26.3	28.5	28.2	28.6	29.6	29.7	29.7	29.8	30.0	30.1	30.2	30.2	30.3
IV 14000	17.6	23.7	26.1	27.6	29.6	29.8	30.2	31.2	31.3	31.3	31.5	31.6	31.8	32.0	32.0	32.1
IV 12000	19.9	26.3	28.8	30.7	32.7	33.1	33.5	34.6	34.7	34.7	34.9	35.1	35.2	35.3	35.3	35.5
IV 10000	20.8	27.6	30.1	32.3	34.3	34.7	35.1	36.5	36.6	36.6	36.7	36.8	37.1	37.2	37.2	37.3
IV 9000	21.2	28.7	31.3	33.2	35.6	35.2	36.3	37.6	38.7	38.7	38.1	38.2	38.5	38.6	38.6	38.7
IV 8000	23.1	30.1	33.0	35.0	37.8	38.5	38.9	40.3	40.7	40.7	40.8	40.9	41.2	41.3	41.3	41.4
IV 7000	23.7	30.8	33.8	36.1	39.1	39.7	40.1	41.7	42.1	42.1	42.2	42.3	42.6	42.7	42.7	42.8
IV 6000	23.9	31.2	34.2	36.5	39.6	40.3	40.8	42.4	42.8	42.8	42.9	43.1	43.3	43.4	43.4	43.6
IV 5000	25.1	32.8	35.8	38.3	41.7	42.7	43.6	45.2	45.6	45.6	45.7	45.8	46.1	46.2	46.2	46.3
IV 4500	25.3	33.3	36.3	38.8	42.2	43.2	44.1	45.7	46.1	46.1	46.2	46.3	46.6	46.7	46.7	46.8
IV 4000	25.5	35.7	38.3	41.8	44.4	45.4	46.4	48.3	48.7	48.7	48.8	48.9	49.2	49.3	49.3	49.5
IV 3500	27.6	36.7	41.1	42.6	46.4	47.6	48.6	50.7	51.1	51.1	51.2	51.3	51.6	51.7	51.7	51.9
IV 3000	29.5	39.6	43.2	45.7	50.1	51.3	52.3	54.6	54.9	54.9	55.2	55.3	55.6	55.7	55.7	55.9
IV 2500	33.8	40.9	44.7	47.2	51.6	52.8	53.9	56.2	56.6	56.7	56.9	57.1	57.3	57.4	57.4	57.7
IV 2000	31.0	41.3	45.1	47.6	51.9	53.2	54.3	56.7	57.1	57.2	57.4	57.6	57.8	57.9	57.9	58.2
IV 1800	31.1	41.3	45.1	47.6	51.9	53.2	54.3	56.7	57.1	57.2	57.4	57.6	57.8	57.9	57.9	58.2
IV 1500	32.1	42.4	46.3	48.8	53.6	54.8	55.9	58.3	58.7	58.8	59.1	59.2	59.4	59.6	59.6	59.8
IV 1200	32.2	42.8	46.7	49.2	53.9	55.2	56.3	58.7	59.1	59.2	59.4	59.6	59.8	59.9	59.9	60.2
IV 1000	32.5	43.8	47.8	50.3	55.2	56.4	57.6	59.9	60.3	60.4	60.7	60.8	61.1	61.2	61.2	61.4
IV 900	32.5	44.1	48.1	50.8	55.7	56.9	58.2	60.5	60.9	61.0	61.3	61.4	61.7	61.8	61.8	62.0
IV 800	33.2	44.9	49.1	51.8	56.8	58.4	59.7	62.0	62.4	62.5	62.8	62.9	63.2	63.3	63.3	63.5
IV 700	33.5	45.3	49.4	52.2	57.3	58.9	60.2	62.5	62.9	63.0	63.3	63.4	63.7	63.8	63.8	64.0
IV 600	34.1	46.2	51.1	54.1	59.4	61.2	62.4	65.0	65.5	65.7	65.9	66.0	66.3	66.4	66.4	66.7
IV 500	34.6	46.9	52.1	55.3	60.9	62.8	64.5	67.4	68.3	68.3	68.5	68.7	68.9	69.0	69.0	69.3
IV 400	34.6	46.9	52.2	55.6	62.5	65.3	67.4	70.9	71.9	72.5	72.9	73.2	73.5	73.8	73.8	74.0
IV 300	35.0	47.3	52.7	56.3	64.3	67.5	71.2	75.8	77.3	77.3	77.5	77.9	79.8	80.0	80.0	80.3
IV 200	35.0	47.3	52.8	56.6	65.2	68.4	72.3	78.7	81.6	83.5	84.6	84.9	85.6	86.6	86.9	87.6
IV 100	35.0	47.3	52.8	56.6	65.4	68.9	73.5	80.8	84.8	88.3	90.8	92.0	93.3	96.1	97.1	98.6
IV 0	35.0	47.3	52.8	56.6	65.4	68.9	73.5	80.8	84.8	88.3	90.8	92.0	93.8	96.1	97.3	100.0

TOTAL NUMBER OF OBSERVATIONS 801

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

YEARS 70-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1960-1100
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	18.9	22.3	22.7	23.0	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.7	23.9
≥ 20000	49.1	35.3	35.4	36.8	38.0	38.0	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.2	38.7
≥ 18000	29.9	36.1	37.2	37.6	38.7	38.7	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.1
IV 16500	32.4	36.9	38.1	38.5	39.6	39.7	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.1
≥ 14000	31.0	37.7	38.8	39.5	40.7	40.9	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.1	41.2
IV 12000	32.7	40.0	41.5	42.2	44.0	44.1	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.4	44.5
≥ 10000	34.3	42.1	43.8	44.5	46.3	46.4	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.8
IV 9000	35.7	43.6	45.1	46.0	48.0	48.4	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.8
≥ 8000	37.6	45.6	47.3	48.2	50.2	50.6	50.8	51.2	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.5
IV 7000	38.3	46.7	48.5	49.6	51.6	52.0	52.3	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1
≥ 6000	39.7	48.7	50.7	51.7	53.7	54.1	54.5	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
IV 5000	39.6	48.7	50.7	51.7	53.7	54.1	54.5	55.0	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.2
≥ 4500	39.7	49.8	51.8	53.0	55.0	55.4	56.1	56.7	56.9	56.9	56.9	56.9	56.9	56.9	56.9	57.0
IV 4000	40.1	50.7	52.7	53.8	55.9	56.4	57.1	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 3500	41.4	52.3	54.5	55.6	57.6	58.1	58.9	59.6	59.8	59.8	59.8	59.8	59.8	59.8	59.8	59.9
IV 3000	42.9	54.4	56.6	57.8	59.9	60.4	61.2	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.2
≥ 2500	44.8	56.4	58.8	59.9	62.0	62.5	63.4	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.6
IV 2000	45.8	57.5	60.0	61.2	63.3	63.9	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 1800	45.8	57.5	60.0	61.2	63.3	63.9	64.8	65.6	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
IV 1500	46.7	58.6	61.4	62.5	64.8	65.4	66.3	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.5
≥ 1200	47.5	60.0	62.8	63.9	66.2	66.8	67.7	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.9
IV 1000	48.3	61.7	63.8	64.9	67.3	68.0	68.9	69.6	69.9	69.9	69.9	69.9	69.9	69.9	69.9	70.1
≥ 900	48.5	61.3	64.1	65.3	67.8	68.5	69.4	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.6
IV 800	48.8	61.9	64.7	66.1	68.7	69.4	70.2	71.2	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.9
≥ 700	49.6	62.9	66.3	67.6	70.4	71.1	71.9	72.9	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.4
IV 600	50.3	64.6	67.7	69.4	72.6	73.5	74.4	75.4	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.9
≥ 500	51.3	65.1	69.0	70.9	75.7	77.0	78.2	79.6	79.8	79.8	79.8	79.8	79.8	79.8	79.8	80.1
IV 400	52.1	66.0	70.5	73.0	78.9	81.0	82.3	84.2	84.6	84.6	84.6	84.6	84.6	84.6	84.6	85.0
≥ 300	52.5	66.6	71.1	74.4	81.7	84.1	86.1	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.5	90.8
IV 200	52.6	66.7	71.2	74.8	83.4	86.5	89.7	93.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	96.2
≥ 100	52.6	66.7	71.2	74.8	83.6	86.9	90.3	94.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	100.0
IV 0	52.6	66.7	71.2	74.8	83.6	86.9	90.3	94.8	96.2	96.2	96.2	96.2	96.2	96.2	96.2	100.0

TOTAL NUMBER OF OBSERVATIONS 793

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAKA AB JP

76-79

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS LT

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	19.4	23.1	23.9	24.1	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.2	24.4
≥ 20000	29.3	35.3	36.7	37.2	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.3	37.5
≥ 18000	29.3	35.3	37.5	37.9	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.1	38.2
≥ 16000	29.3	36.5	38.2	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.9
≥ 14000	36.5	37.6	39.3	39.8	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.4
≥ 12000	33.7	41.1	42.2	43.4	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	44.0
≥ 10000	31.6	43.2	44.8	45.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.5
≥ 9000	37.1	44.9	46.5	47.4	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.6
≥ 8000	38.3	46.2	47.9	48.7	49.8	49.8	49.8	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.4
≥ 7000	39.2	47.9	49.7	50.5	51.6	51.6	51.6	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.2
≥ 6000	39.5	49.1	50.9	51.8	52.8	52.8	52.8	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.3	53.5
≥ 5000	41.2	50.9	52.7	53.6	55.0	55.0	55.2	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	56.0
≥ 4500	41.3	51.5	53.2	54.3	55.9	55.9	56.0	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.8
≥ 4000	42.5	53.2	55.5	56.6	58.2	58.2	58.4	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.3
≥ 3500	43.3	55.9	58.2	59.3	60.8	60.8	61.1	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9
≥ 3000	46.2	58.3	61.1	62.2	63.9	64.0	64.2	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1
≥ 2500	48.8	61.9	64.2	65.5	67.4	67.5	67.8	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.7
≥ 2000	50.2	63.5	66.1	67.3	69.2	69.3	69.6	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.5
≥ 1800	50.4	63.8	66.3	67.9	69.5	69.6	69.8	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.8
≥ 1500	51.2	64.6	67.4	68.9	70.5	70.7	70.9	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.9
≥ 1200	51.5	65.1	67.9	69.1	71.1	71.3	71.5	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5
≥ 1000	52.1	65.6	68.6	69.8	71.9	72.1	72.6	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.6
≥ 900	52.4	65.3	68.8	70.1	72.2	72.5	73.0	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.9
≥ 800	53.1	67.1	70.1	71.3	73.5	73.7	74.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.2
≥ 700	54.2	68.1	71.3	72.6	74.9	75.2	75.5	76.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.7
≥ 600	55.3	69.8	73.0	74.4	77.1	77.6	78.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.3	79.4
≥ 500	56.8	71.2	74.7	76.5	80.1	81.1	81.8	82.7	82.9	83.2	83.2	83.2	83.2	83.2	83.2	83.3
≥ 400	57.8	72.7	76.7	78.7	83.2	84.1	85.2	86.5	86.8	87.2	87.3	87.3	87.3	87.3	87.3	87.4
≥ 300	58.1	73.1	77.3	79.9	85.6	87.0	88.4	90.4	91.2	91.8	91.8	91.9	92.0	92.0	92.0	92.1
≥ 200	58.3	73.7	78.1	80.8	87.5	89.7	91.4	94.7	95.4	96.0	96.0	96.1	96.2	96.2	96.2	96.4
≥ 100	58.3	73.7	78.1	80.8	87.5	89.7	91.6	95.9	97.2	98.5	99.2	99.3	99.5	99.6	99.6	99.8
≥ 0	58.3	73.7	78.1	80.8	87.5	89.7	91.6	95.9	97.2	98.5	99.2	99.3	99.5	99.6	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 325

JOINT CLIMATOLOGY BRANCH
USAFETAC
AFW WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION USAAA AB JP

YEARS 70-79

MONTH JUN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

15.0-17.0
HOURS 1-11

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	15.4	22.1	22.3	22.6	22.8	22.8	22.9	22.9	22.9	22.9	22.9	22.9	23.2	23.3	23.3	23.3
≥ 20000	26.4	35.7	36.3	37.1	37.4	37.4	37.6	37.6	37.6	37.6	37.6	37.6	37.8	37.9	37.9	37.9
≥ 18000	29.1	36.5	37.1	37.8	38.2	38.2	38.3	38.3	38.3	38.3	38.3	38.3	38.5	38.7	38.7	38.7
≥ 16000	29.5	37.2	37.8	38.5	38.9	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.3	39.4	39.4	39.4
≥ 14000	30.6	38.3	39.0	40.1	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	41.0	41.1	41.1	41.1
≥ 12000	33.1	40.9	41.5	42.8	43.3	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.8	43.9	43.9	43.9
≥ 10000	34.5	42.7	43.4	45.0	45.6	45.7	45.9	45.9	45.9	45.9	45.9	45.9	46.1	46.2	46.2	46.2
≥ 9000	35.6	43.9	44.5	46.7	47.7	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.4	48.5	48.5	48.5
≥ 8000	36.3	44.0	45.7	47.7	48.8	49.1	49.4	49.4	49.5	49.5	49.5	49.5	49.8	49.9	49.9	49.9
≥ 7000	37.1	46.3	47.9	49.9	51.0	51.3	51.8	51.8	52.0	52.0	52.0	52.0	52.2	52.3	52.3	52.3
≥ 6000	36.3	48.0	49.6	51.8	52.9	53.3	53.8	53.8	54.0	54.0	54.0	54.0	54.3	54.4	54.4	54.4
≥ 5000	40.0	51.0	52.7	54.9	56.0	56.3	56.8	56.8	57.1	57.2	57.2	57.2	57.4	57.6	57.6	57.6
≥ 4500	41.3	52.7	54.4	56.6	57.7	58.0	58.5	58.5	58.8	58.9	58.9	58.9	59.1	59.3	59.3	59.3
≥ 4000	42.3	54.1	56.1	58.3	59.5	59.9	60.4	60.4	60.6	60.7	60.7	60.7	61.0	61.1	61.1	61.1
≥ 3500	44.4	57.1	59.1	61.5	62.7	63.1	63.5	63.5	63.9	64.0	64.0	64.0	64.3	64.4	64.4	64.4
≥ 3000	46.2	59.8	62.0	64.4	65.9	66.2	66.7	66.8	67.2	67.3	67.3	67.3	67.6	67.7	67.7	67.7
≥ 2500	46.8	60.5	62.9	65.4	67.0	67.3	67.8	67.9	68.3	68.4	68.4	68.4	68.7	68.8	68.8	68.8
≥ 2000	48.0	61.7	64.1	66.7	68.3	68.7	69.1	69.3	69.6	69.8	69.8	69.8	70.0	70.1	70.1	70.1
≥ 1800	48.2	61.8	64.3	66.8	68.4	68.8	69.3	69.4	69.8	69.9	69.9	69.9	70.1	70.2	70.2	70.2
≥ 1500	48.4	62.2	64.6	67.2	68.8	69.1	69.6	69.8	70.1	70.2	70.2	70.2	70.5	70.6	70.6	70.6
≥ 1200	48.7	62.6	65.4	67.9	69.5	69.9	70.4	70.5	70.9	71.0	71.0	71.0	71.2	71.3	71.3	71.3
≥ 1000	48.7	62.7	65.5	68.0	69.6	70.0	70.5	70.6	71.0	71.1	71.1	71.1	71.3	71.5	71.5	71.5
≥ 900	49.8	62.8	65.6	68.2	69.8	70.1	70.6	70.7	71.1	71.2	71.2	71.2	71.5	71.6	71.6	71.6
≥ 800	49.0	63.3	66.3	68.9	70.5	71.2	71.7	72.0	72.3	72.4	72.4	72.4	72.7	72.8	72.8	72.8
≥ 700	49.6	63.9	67.3	70.0	71.6	72.4	72.9	73.2	73.5	73.7	73.8	73.8	74.0	74.1	74.1	74.1
≥ 600	50.7	65.0	68.4	71.2	72.8	73.7	74.1	74.4	74.8	74.9	75.0	75.0	75.2	75.4	75.4	75.4
≥ 500	52.4	67.1	70.9	73.9	76.3	77.3	78.2	78.5	78.9	79.0	79.1	79.1	79.4	79.5	79.5	79.5
≥ 400	53.3	68.7	72.6	75.9	78.9	80.2	81.3	82.1	82.6	82.7	82.8	82.8	83.0	83.2	83.2	83.2
≥ 300	54.3	69.5	73.5	77.3	81.1	82.9	85.1	86.6	87.6	88.0	88.2	88.2	88.5	88.7	88.7	88.7
≥ 200	54.3	69.5	73.8	78.0	83.4	85.6	88.0	91.1	92.8	93.5	94.3	94.3	94.8	94.9	94.9	94.9
≥ 100	54.3	69.5	73.8	78.0	83.7	86.1	88.5	91.8	94.4	96.7	98.7	98.7	99.1	99.4	99.4	99.4
≥ 0	54.3	69.5	73.8	78.0	83.7	86.1	88.5	91.8	94.4	96.7	98.7	98.7	99.1	99.5	99.5	100.0

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 MISAWA AB JP

70-79

104

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-2 00
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥0
NO CEILING	26.7	21.4	21.5	22.3	22.7	22.9	23.0	23.0	23.0	23.0	23.0	23.0	23.0	23.1	23.2	23.2
≥20000	22.6	33.4	31.8	32.5	33.5	33.7	33.9	34.0	34.2	34.2	34.2	34.2	34.2	34.3	34.4	34.4
≥18000	22.6	31.4	31.8	32.5	33.5	33.7	33.9	34.0	34.2	34.2	34.2	34.2	34.2	34.3	34.4	34.4
≥16000	23.6	31.5	32.9	33.7	34.8	34.9	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.6	35.8	35.8
≥14000	25.3	33.2	34.5	35.3	36.7	36.9	37.2	37.4	37.6	37.6	37.6	37.6	37.6	37.7	37.9	37.9
≥12000	27.0	35.1	37.2	37.9	39.3	39.6	39.9	40.2	40.3	40.3	40.3	40.3	40.3	40.5	40.7	40.7
≥10000	27.9	35.6	37.9	38.8	40.5	40.8	41.2	41.5	41.6	41.6	41.6	41.6	41.6	41.7	42.0	42.0
≥9000	27.9	36.2	38.6	39.4	41.6	42.0	42.3	42.7	42.8	43.0	43.0	43.0	43.0	43.1	43.3	43.3
≥8000	29.6	38.4	41.0	41.8	44.1	44.5	45.0	45.4	45.5	45.6	45.6	45.6	45.6	45.7	46.0	46.0
≥7000	30.7	40.1	42.6	43.6	46.1	46.6	47.4	47.9	48.0	48.1	48.1	48.1	48.1	48.2	48.5	48.5
≥6000	31.2	40.6	43.3	44.3	46.9	47.4	48.1	48.6	48.7	48.9	48.9	48.9	48.9	49.0	49.2	49.2
≥5000	33.5	43.5	46.9	47.9	50.4	50.9	51.6	52.1	52.3	52.4	52.4	52.4	52.4	52.5	52.8	52.8
≥4500	34.3	45.1	48.6	49.6	52.3	53.0	53.8	54.4	54.5	54.6	54.6	54.6	54.6	54.8	55.0	55.0
≥4000	35.4	46.7	50.8	52.0	54.8	55.8	56.7	57.4	57.5	57.7	57.7	57.7	57.7	57.8	58.0	58.0
≥3500	36.6	48.4	52.5	53.8	56.7	57.6	58.7	59.4	59.5	59.7	59.7	59.7	59.7	59.8	60.1	60.1
≥3000	38.9	51.6	55.9	57.3	60.6	61.6	63.1	63.6	63.2	64.4	64.4	64.4	64.4	64.6	64.8	64.8
≥2500	39.8	53.0	57.3	58.7	61.9	63.2	64.4	65.2	65.6	65.8	65.8	65.8	65.8	66.0	66.2	66.2
≥2000	39.9	53.3	57.7	59.2	62.6	63.8	65.3	66.1	66.5	66.7	66.7	66.7	66.7	66.8	67.1	67.1
≥1800	39.9	53.4	57.8	59.3	62.7	63.9	65.5	66.2	66.6	66.8	66.8	66.8	66.8	67.0	67.2	67.2
≥1500	40.3	53.6	58.2	59.7	63.1	64.3	65.8	66.6	67.0	67.2	67.3	67.3	67.3	67.5	67.7	67.7
≥1200	40.3	53.9	58.4	60.1	63.4	64.7	66.2	67.0	67.3	67.6	67.7	67.7	67.7	67.8	68.1	68.1
≥1000	40.7	54.3	58.8	60.4	63.8	65.1	66.7	67.5	68.1	68.3	68.5	68.5	68.5	68.6	68.8	68.8
≥900	41.0	54.6	59.2	60.8	64.2	65.5	67.2	68.1	68.6	68.8	69.0	69.0	69.0	69.1	69.3	69.3
≥800	41.2	55.0	59.5	61.2	64.6	65.8	67.6	68.5	69.0	69.2	69.3	69.3	69.3	69.5	69.7	69.7
≥700	41.3	55.2	59.7	61.3	64.7	66.0	67.7	68.7	69.2	69.5	69.6	69.6	69.6	69.7	70.0	70.0
≥600	41.7	55.6	60.9	62.7	66.2	67.8	69.6	70.7	71.2	71.5	71.6	71.6	71.6	71.7	72.0	72.0
≥500	42.8	57.3	62.8	64.7	68.8	70.5	72.5	73.9	74.4	74.7	74.9	74.9	74.9	75.0	75.3	75.3
≥400	43.7	58.4	64.3	66.3	71.0	73.0	75.0	76.5	77.0	77.4	77.5	77.5	77.5	77.6	77.9	77.9
≥300	44.5	59.5	66.0	68.6	74.5	77.3	79.4	81.9	83.4	83.9	84.0	84.0	84.0	84.2	84.4	84.4
≥200	44.5	59.5	66.2	68.8	75.4	78.5	81.9	85.9	88.7	89.3	89.6	89.6	89.6	89.7	89.9	89.9
≥100	44.6	59.7	66.5	69.1	75.9	79.3	83.3	88.3	92.0	93.7	95.1	95.2	95.2	96.1	98.4	98.7
≥0	44.6	59.7	66.5	69.1	75.9	79.3	83.3	88.3	92.0	93.7	95.1	95.2	95.2	96.1	98.9	99.1

TOTAL NUMBER OF OBSERVATIONS 796

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: WISLA AFB JP YEARS: 70-79 MONTH: JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	14.1	15.7	21.7	22.9	24.2	24.4	25.0	26.3	26.4	26.5	26.6	26.6	26.7	26.9	26.9	27.2
≥ 20000	17.2	23.9	26.7	28.5	31.9	31.6		33.9	34.1	34.2	34.2	34.2	34.3	34.7	34.7	35.1
≥ 18000	17.2	24.1	25.8	28.7	31.0	31.7		34.1	34.2	34.3	34.3	34.3	34.5	34.9	34.9	35.1
IV 16000	17.2	24.3	27.1	28.9	31.3	32.1	3	34.3	34.5	34.6	34.6	34.6	34.7	35.1	35.1	35.4
IV 14000	18.6	25.9	28.7	31.6	33.9	33.7	34.7	36.5	36.6	36.7	36.7	36.7	36.9	37.3	37.3	37.5
IV 12000	18.9	26.3	29.6	32.1	34.5	35.1	36.2	37.9	38.1	38.2	38.2	38.2	38.3	38.7	38.7	39.5
IV 10000	19.4	26.9	30.5	32.8	35.7	36.3	37.6	39.4	39.6	39.8	39.8	39.8	39.9	40.3	40.3	40.6
IV 9000	19.8	27.5	31.3	33.5	36.6	37.3	38.6	40.3	40.6	40.7	40.7	40.7	40.8	41.2	41.2	41.5
IV 8000	20.9	29.1	33.0	35.5	38.8	39.5	41.0	42.7	42.9	43.1	43.1	43.1	43.2	43.6	43.6	43.9
IV 7000	21.7	30.3	34.2	36.7	40.2	40.6	42.4	44.1	44.4	44.5	44.5	44.5	44.6	45.0	45.0	45.3
IV 6000	21.8	30.4	34.3	36.9	40.4	41.1	42.7	44.4	44.6	44.8	44.8	44.8	44.9	45.3	45.3	45.6
IV 5000	23.0	31.6	35.9	38.4	42.5	43.2	44.8	46.5	46.8	46.9	46.9	46.9	47.0	47.4	47.4	47.7
IV 4500	24.3	33.7	37.9	40.0	44.9	45.6	47.4	49.3	49.5	49.7	49.7	49.7	49.8	50.2	50.2	50.5
IV 4000	25.5	35.7	40.2	43.2	48.3	49.1	51.7	53.5	53.8	54.0	54.0	54.0	54.2	54.6	54.6	54.8
IV 3500	25.8	36.3	40.8	43.9	49.3	50.2	52.8	54.8	55.1	55.4	55.4	55.4	55.5	55.9	55.9	56.1
IV 3000	27.3	39.1	43.9	46.9	52.3	53.2	55.9	58.1	58.3	58.5	58.5	58.5	58.7	59.0	59.0	59.3
IV 2500	28.9	40.8	45.6	48.6	54.0	55.0	57.6	59.7	60.0	60.2	60.2	60.2	60.4	60.8	60.8	61.0
IV 2000	29.2	41.1	46.0	49.0	54.4	55.4	59.0	60.1	60.4	60.6	60.6	60.6	60.8	61.2	61.2	61.4
IV 1800	29.2	41.3	46.2	49.3	54.7	55.6	58.3	60.4	60.6	60.9	60.9	60.9	61.0	61.4	61.4	61.7
IV 1500	29.2	41.6	46.5	49.5	55.2	56.1	58.8	60.9	61.2	61.4	61.4	61.4	61.6	62.0	62.0	62.2
IV 1200	29.2	41.8	46.8	49.8	55.5	56.4	59.0	61.2	61.4	61.7	61.7	61.7	61.8	62.2	62.2	62.5
IV 1000	29.9	42.3	47.7	50.9	56.7	57.6	60.2	62.5	62.7	63.0	63.0	63.0	63.1	63.5	63.5	63.8
IV 900	30.3	42.7	48.1	51.3	57.2	58.1	60.8	63.0	63.3	63.5	63.5	63.5	63.7	64.1	64.1	64.3
IV 800	30.3	42.7	48.1	51.3	57.5	58.4	61.0	63.3	63.5	63.8	63.8	63.8	63.9	64.3	64.3	64.6
IV 700	30.3	42.7	48.1	51.3	57.5	58.4	61.0	63.3	63.5	63.8	63.8	63.8	63.9	64.3	64.3	64.6
IV 600	31.0	43.6	49.0	52.2	58.7	59.7	62.4	64.6	64.9	65.1	65.1	65.1	65.3	65.7	65.7	65.9
IV 500	31.8	44.8	51.0	54.8	61.7	62.9	65.5	68.3	68.6	68.8	68.8	68.8	69.0	69.4	69.4	69.6
IV 400	32.4	45.4	51.9	56.0	63.4	65.0	68.0	70.8	71.1	71.3	71.3	71.3	71.5	71.9	71.9	72.1
IV 300	32.6	46.0	52.8	57.1	66.3	68.0	72.0	75.8	77.3	78.1	78.3	78.3	78.5	78.9	78.9	79.1
IV 200	32.8	46.1	53.5	57.9	68.0	70.2	75.0	81.6	83.9	85.1	85.6	86.0	86.3	86.9	87.2	87.5
IV 100	33.0	46.4	53.8	58.3	68.8	71.3	76.8	84.5	87.3	89.8	91.1	92.1	93.7	95.9	97.0	97.6
IV 0	33.0	46.4	53.8	58.3	68.8	71.3	76.8	84.5	87.3	89.8	91.3	92.2	93.8	96.0	97.4	98.0

TOTAL NUMBER OF OBSERVATIONS 757

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME MISAAA AB JP

70-79

UNIT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	20	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	15.2	19.1	20.1	20.8	21.9	22.2	22.5	23.0	23.1	23.2	23.3	23.3	23.5	23.6	23.7	24.1
≥20000	21.3	27.4	29.1	30.1	31.8	32.2	32.6	33.3	33.5	33.6	33.7	33.7	33.9	34.1	34.1	34.4
≥18000	21.3	27.8	29.5	30.6	32.3	32.7	33.1	33.8	34.1	34.1	34.2	34.2	34.4	34.6	34.6	34.9
≥16000	22.1	28.4	30.2	31.3	33.1	33.5	34.0	34.6	34.8	34.7	35.1	35.1	35.2	35.4	35.5	35.7
≥14000	22.9	29.6	31.4	32.7	34.6	35.0	35.5	36.2	36.4	36.5	36.6	36.6	36.8	37.0	37.1	37.3
≥12000	24.6	31.5	33.4	35.1	37.0	37.5	38.0	38.8	38.9	39.2	39.1	39.2	39.4	39.5	39.6	39.9
≥10000	25.6	32.7	34.9	36.4	38.6	39.2	39.7	40.5	40.7	40.8	41.0	41.0	41.2	41.4	41.4	41.7
≥9000	26.5	33.8	36.1	37.5	40.7	40.5	41.1	42.1	42.2	42.4	42.5	42.5	42.7	42.9	43.0	43.2
≥8000	27.7	35.1	37.5	39.1	41.8	42.4	43.1	44.0	44.2	44.4	44.5	44.6	44.8	44.9	45.0	45.3
≥7000	28.3	36.2	38.7	40.4	43.2	43.9	44.5	45.6	45.9	46.1	46.1	46.2	46.4	46.5	46.6	46.9
≥6000	28.8	36.8	39.3	41.0	43.9	44.6	45.2	46.3	46.5	46.7	46.9	46.9	47.1	47.3	47.3	47.6
≥5000	30.2	38.8	41.5	43.3	46.3	47.1	47.8	48.9	49.2	49.3	49.5	49.5	49.7	49.9	50.0	50.2
≥4500	31.1	40.2	42.9	44.8	47.8	48.6	49.4	50.6	50.9	51.1	51.2	51.2	51.4	51.6	51.7	51.9
≥4000	32.2	41.8	44.8	46.8	50.1	51.0	52.0	53.4	53.7	53.9	54.1	54.1	54.2	54.4	54.5	54.6
≥3500	33.2	43.6	46.7	48.7	52.1	53.1	54.2	55.7	55.9	56.2	56.3	56.3	56.5	56.7	56.8	57.1
≥3000	35.2	46.5	49.9	51.9	55.6	56.6	57.8	59.3	59.6	59.9	60.2	60.2	60.3	60.5	60.5	60.8
≥2500	36.6	48.1	51.5	53.6	57.4	58.4	59.6	61.2	61.5	61.7	61.9	61.9	62.1	62.3	62.4	62.7
≥2000	37.2	48.8	52.3	54.4	58.3	59.3	60.5	62.1	62.4	62.7	62.8	62.9	63.1	63.3	63.4	63.6
≥1800	37.3	48.8	52.5	54.6	58.4	59.5	60.7	62.3	62.6	62.8	63.0	63.0	63.2	63.5	63.5	63.8
≥1500	37.7	49.6	53.3	55.3	59.3	60.4	61.6	63.2	63.5	63.8	63.9	64.0	64.2	64.4	64.5	64.8
≥1200	37.9	49.9	53.8	55.9	59.9	61.1	62.1	63.7	64.1	64.3	64.5	64.5	64.8	65.0	65.0	65.3
≥1000	38.1	50.5	54.5	56.6	60.6	61.7	62.9	64.6	64.9	65.2	65.3	65.4	65.6	65.8	65.9	66.2
≥900	38.5	50.7	54.7	56.9	61.0	62.1	63.4	65.0	65.4	65.7	65.8	65.9	66.1	66.3	66.4	66.6
≥800	38.8	51.2	55.3	57.5	61.7	62.9	64.1	65.9	66.2	66.5	66.6	66.7	66.9	67.1	67.2	67.5
≥700	39.3	51.8	55.9	58.1	62.4	63.6	64.9	66.6	67.1	67.3	67.5	67.5	67.7	68.0	68.0	68.3
≥600	40.1	52.8	57.2	59.5	64.0	65.4	66.7	68.5	68.9	69.1	69.3	69.4	69.6	69.8	69.9	70.2
≥500	41.1	54.1	58.4	61.6	66.7	68.2	69.2	71.0	72.2	72.6	72.7	72.8	73.0	73.2	73.3	73.6
≥400	41.1	54.9	60.1	63.3	69.0	70.9	72.7	75.1	75.7	76.1	76.3	76.4	76.6	76.9	76.9	77.2
≥300	42.1	55.4	60.7	64.1	71.2	73.6	76.3	79.6	80.9	81.8	82.1	82.2	82.5	82.8	82.9	83.1
≥200	42.1	55.5	61.1	64.7	72.7	75.6	79.2	84.2	86.2	87.5	88.3	88.5	88.9	89.4	89.6	90.0
≥100	42.2	55.6	61.2	64.8	73.2	76.3	80.2	86.1	89.9	91.3	92.9	93.5	94.6	96.2	97.1	98.3
≥0	42.2	55.6	61.2	64.8	73.2	76.3	80.2	86.1	88.9	91.3	92.9	93.5	94.6	96.5	97.4	98.0

TOTAL NUMBER OF OBSERVATIONS 6332

CLIMATE CLIMATOLOGY BRANCH
ETAC
MET WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

70-70

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6006-5200

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥1/64	≥1/128	≥1/256	≥1/512
NO CEILING	14.2	17.8	21.5	23.9	27.7	29.4	29.9	32.8	31.4	31.6	31.3	31.8	31.3	31.8	31.8	31.8
≥20000	17.1	22.1	26.6	31.5	35.1	36.9	37.6	36.5	39.6	39.9	39.9	39.9	39.9	39.9	39.9	39.9
≥18000	17.1	22.1	26.7	31.6	35.3	37.1	37.9	39.1	39.8	40.2	40.2	40.2	41.2	40.2	40.2	40.2
≥16000	17.1	22.1	26.7	31.6	35.3	37.1	37.9	39.2	39.9	40.3	40.7	40.3	40.8	40.4	40.4	40.4
≥14000	17.4	22.9	27.6	31.7	36.4	38.2	39.6	40.5	41.3	41.6	41.6	41.6	41.7	41.7	41.7	41.7
≥12000	18.9	25.4	30.3	34.3	39.4	41.5	42.2	43.9	44.7	45.3	45.3	45.3	45.1	45.1	45.1	45.1
≥10000	20.3	27.4	32.5	36.5	41.6	43.7	44.4	46.4	47.2	47.6	47.6	47.6	47.7	47.7	47.7	47.7
≥9000	21.1	28.2	33.3	37.5	43.1	45.1	45.9	47.8	48.7	49.3	49.3	49.3	49.2	49.2	49.2	49.2
≥8000	22.2	29.4	35.0	39.2	45.4	47.7	48.4	50.4	51.2	51.6	51.6	51.6	51.7	51.7	51.7	51.7
≥7000	22.3	29.5	35.1	39.6	45.8	48.1	48.8	50.7	51.6	51.9	51.9	51.9	52.1	52.1	52.1	52.1
≥6000	22.3	30.2	35.8	40.4	46.6	48.9	49.6	51.6	52.4	52.8	52.8	52.8	52.9	52.9	52.9	52.9
≥5000	23.4	31.9	38.1	42.6	49.0	51.3	52.1	54.0	54.9	55.2	55.2	55.2	55.3	55.3	55.3	55.3
≥4500	23.5	32.1	38.1	42.8	49.4	51.8	52.5	54.5	55.3	55.7	55.7	55.7	55.8	55.8	55.8	55.8
≥4000	24.6	33.5	39.8	44.5	51.1	53.6	54.4	56.4	57.3	57.6	57.6	57.6	57.8	57.8	57.8	57.8
≥3500	24.9	33.9	40.2	44.9	51.5	54.1	54.9	56.9	57.8	58.1	58.1	58.1	58.3	58.3	58.3	58.3
≥3000	26.9	36.3	42.7	47.5	54.2	57.4	58.1	60.2	61.0	61.4	61.4	61.4	61.5	61.7	61.7	61.7
≥2500	27.4	37.4	43.8	48.7	55.8	59.2	60.1	62.3	63.2	63.6	63.7	63.8	64.0	64.0	64.0	64.0
≥2000	27.5	37.7	44.3	49.3	56.6	60.1	60.9	63.1	64.1	64.5	64.5	64.7	64.8	64.8	64.8	64.8
≥1800	28.1	38.2	44.8	49.8	57.0	60.6	61.4	63.6	64.6	64.9	65.1	65.2	65.3	65.3	65.3	65.3
≥1500	28.2	38.3	45.0	50.0	57.3	60.9	61.7	63.8	64.8	65.2	65.3	65.4	65.5	65.5	65.5	65.5
≥1200	28.3	38.7	45.4	50.5	57.8	61.3	62.1	64.3	65.3	65.7	65.8	65.9	66.0	66.0	66.0	66.0
≥1000	28.8	39.6	46.2	51.3	58.7	62.3	63.1	65.3	66.4	66.7	66.9	67.0	67.1	67.1	67.1	67.1
≥900	29.9	39.7	46.8	51.5	58.9	62.4	63.2	65.4	66.5	66.9	67.0	67.1	67.2	67.2	67.2	67.2
≥800	29.4	40.3	47.1	52.1	59.7	63.3	64.2	66.4	67.5	67.8	68.0	68.1	68.2	68.2	68.2	68.2
≥700	29.6	40.8	47.5	52.5	60.2	64.3	64.8	67.3	68.1	68.4	68.6	68.7	68.8	68.8	68.8	68.8
≥600	30.3	41.4	48.5	53.8	61.4	65.3	66.1	68.3	69.4	69.8	69.9	70.0	70.1	70.1	70.1	70.1
≥500	30.8	41.9	49.2	54.9	62.4	66.3	67.2	69.6	70.9	71.4	71.5	71.6	71.7	71.7	71.7	71.7
≥400	31.2	42.4	50.3	55.7	64.4	68.4	69.4	72.7	74.3	74.9	75.3	75.1	75.4	75.4	75.4	75.5
≥300	31.3	42.5	50.4	56.1	65.0	69.2	70.1	73.8	75.7	76.5	77.2	77.3	77.7	77.7	77.7	78.3
≥200	31.3	42.4	50.6	56.6	65.3	71.0	72.5	76.9	79.1	80.8	81.8	82.3	83.1	83.7	84.1	85.3
≥100	31.3	42.6	50.6	56.6	66.5	71.2	73.1	79.1	82.3	85.1	86.7	86.6	90.7	92.5	94.1	97.8
≥0	31.3	42.6	50.6	56.6	66.5	71.2	73.1	79.1	82.3	85.1	86.7	88.0	90.7	93.1	95.1	100.0

TOTAL NUMBER OF OBSERVATIONS 824

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

YEARS 70-79

MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

370-6900
HOURS (EST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	11.5	14.1	15.7	16.6	20.2	21.5	22.7	24.1	24.4	25.1	25.1	25.2	25.8	26.0	26.0	27.1
≥ 20000	15.1	18.4	20.8	22.6	26.8	28.4	29.8	31.7	32.1	32.8	32.8	32.9	33.7	34.0	34.0	35.2
≥ 18000	15.1	18.4	20.8	22.6	26.8	28.4	29.8	31.7	32.1	32.8	32.8	32.9	33.7	34.0	34.0	35.2
≥ 16000	15.2	19.1	21.4	23.3	27.5	29.1	30.6	32.5	32.8	33.5	33.5	33.7	34.4	34.7	34.7	35.9
≥ 14000	16.1	20.3	22.9	24.9	29.1	31.0	32.7	34.6	35.1	35.8	35.8	35.9	36.6	37.0	37.0	38.2
≥ 12000	16.5	21.9	24.4	26.3	30.9	32.9	34.7	36.6	37.1	37.8	37.9	38.0	38.8	39.1	39.1	40.4
≥ 10000	17.6	22.7	25.8	28.1	32.7	34.7	36.5	38.6	39.1	39.8	40.0	40.1	40.8	41.1	41.1	42.6
≥ 9000	17.6	22.8	26.0	28.4	33.2	35.2	37.1	39.4	39.8	40.5	40.7	40.8	41.5	41.9	41.9	43.3
≥ 8000	18.7	24.5	27.7	30.1	35.2	37.2	39.2	41.5	42.0	42.7	42.8	42.9	43.6	44.0	44.0	45.4
≥ 7000	18.7	24.5	28.1	30.4	35.8	37.8	39.8	42.1	42.6	43.4	43.5	43.6	44.4	44.7	44.7	46.1
≥ 6000	19.1	25.1	28.7	31.3	36.4	38.4	40.4	42.7	43.2	44.0	44.1	44.2	44.9	45.3	45.3	46.7
≥ 5000	20.9	26.3	32.1	34.6	40.8	42.8	44.9	47.4	47.9	48.8	48.9	49.0	49.7	50.1	50.1	51.6
≥ 4500	21.4	29.6	33.5	36.0	42.2	44.2	46.4	48.9	49.3	50.2	50.3	50.4	51.1	51.5	51.5	53.0
≥ 4000	22.1	30.3	34.2	36.7	42.9	44.9	47.4	50.1	50.5	51.4	51.5	51.6	52.4	52.8	52.8	54.3
≥ 3500	22.9	31.3	35.4	38.0	44.2	46.4	48.9	51.5	52.1	52.9	53.0	53.2	54.0	54.3	54.3	55.9
≥ 3000	24.5	32.9	37.3	40.0	46.7	48.9	51.6	54.5	55.2	56.0	56.1	56.2	57.1	57.4	57.4	59.0
≥ 2500	25.1	33.9	38.5	41.1	48.2	50.3	53.0	56.5	57.3	58.1	58.3	58.4	59.2	59.6	59.6	61.1
≥ 2000	25.4	34.7	39.4	42.0	49.1	51.4	54.2	57.9	59.0	59.8	59.9	60.0	60.9	61.2	61.2	62.9
≥ 1800	25.7	35.3	40.7	42.6	49.7	52.0	54.8	58.5	59.6	60.4	60.5	60.6	61.5	61.8	61.8	63.5
≥ 1500	26.1	35.7	41.3	42.9	50.3	52.6	55.5	59.2	60.3	61.1	61.2	61.4	62.2	62.5	62.5	64.2
≥ 1200	26.2	35.8	41.7	43.3	50.9	53.2	56.1	59.8	60.9	61.7	61.8	62.0	62.8	63.1	63.1	64.8
≥ 1000	26.3	35.9	41.1	43.5	51.4	53.7	56.7	60.4	61.5	62.3	62.4	62.5	63.4	63.7	63.7	65.4
≥ 900	25.5	36.1	41.3	43.9	51.6	54.0	57.0	60.6	61.8	62.7	62.8	62.9	63.7	64.1	64.1	65.8
≥ 800	27.3	37.1	42.2	44.9	52.7	55.1	58.7	61.7	62.9	63.7	63.9	64.0	64.8	65.2	65.2	66.8
≥ 700	27.5	37.3	42.4	45.2	52.9	55.3	58.5	62.2	63.4	64.2	64.3	64.4	65.3	65.6	65.6	67.3
≥ 600	27.8	37.8	42.9	45.7	53.6	56.0	59.3	63.0	64.2	65.0	65.1	65.2	66.1	66.5	66.5	68.1
≥ 500	28.8	38.8	44.0	47.1	55.4	58.0	61.6	65.4	66.8	67.9	68.1	68.3	69.1	69.4	69.4	71.1
≥ 400	29.3	39.2	44.7	47.9	57.4	60.0	63.9	68.1	69.8	71.1	71.5	71.7	72.5	72.9	72.9	74.6
≥ 300	29.0	39.4	44.8	48.0	57.8	60.4	64.4	68.8	71.0	72.5	73.0	73.2	74.1	74.4	74.4	76.2
≥ 200	29.7	39.5	44.9	48.3	58.6	61.6	66.1	71.5	74.2	76.2	76.9	77.6	79.0	79.5	79.5	82.5
≥ 100	29.7	39.5	44.9	48.3	58.7	62.2	66.8	74.4	77.9	81.2	83.5	85.0	87.6	91.4	93.1	98.0
≥ 0	29.0	39.5	44.9	48.3	58.7	62.2	66.8	74.4	77.9	81.2	83.5	85.0	87.6	91.8	93.7	100.0

TOTAL NUMBER OF OBSERVATIONS 641

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 442 MISAWA AB JP

YEARS 7J-79

MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1650-0000
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	13.5	16.5	18.3	19.3	21.0	21.6	22.4	23.3	23.5	23.6	23.6	23.8	23.9	24.2	24.2	24.4
≥ 20000	19.8	24.5	27.1	29.1	31.5	32.2	33.1	34.2	34.5	34.7	34.7	34.9	35.1	35.5	35.5	35.7
≥ 18000	20.2	25.3	27.5	29.6	32.1	32.8	33.7	34.8	35.1	35.2	35.2	35.5	35.7	36.1	36.1	36.3
≥ 16000	20.4	25.6	28.1	30.3	32.8	33.5	34.4	35.6	35.9	36.1	36.1	36.3	36.5	36.9	37.0	37.2
≥ 14000	21.9	27.7	30.3	32.7	35.2	36.1	37.0	38.2	38.5	38.6	38.6	39.0	39.2	39.6	39.7	39.9
≥ 12000	22.9	29.1	32.2	34.8	37.7	38.5	39.6	40.8	41.2	41.3	41.4	41.8	42.0	42.4	42.5	42.7
≥ 10000	23.3	29.6	33.1	35.8	39.2	40.0	41.1	42.8	43.2	43.3	43.4	43.8	44.0	44.3	44.5	44.7
≥ 9000	23.7	30.0	33.4	36.2	39.6	40.5	41.5	43.3	43.6	43.8	43.9	44.2	44.5	44.8	44.9	45.3
≥ 8000	25.2	31.6	35.4	38.2	41.8	42.7	43.8	45.6	46.1	46.2	46.3	46.7	46.9	47.3	47.4	47.7
≥ 7000	25.6	32.0	35.8	38.9	42.6	43.5	44.7	46.6	47.0	47.1	47.3	47.6	47.8	48.2	48.3	48.7
≥ 6000	26.1	32.7	36.6	39.7	43.4	44.3	45.5	47.4	47.8	48.0	48.1	48.4	48.7	49.0	49.1	49.5
≥ 5000	27.3	34.7	39.1	42.2	46.1	47.0	48.3	50.5	51.0	51.1	51.2	51.6	51.8	52.2	52.3	52.6
≥ 4500	28.1	35.6	40.4	43.5	47.6	48.5	49.8	52.0	52.5	52.6	52.7	53.1	53.3	53.7	53.8	54.1
≥ 4000	28.4	36.6	41.5	44.8	49.0	50.2	51.5	53.8	54.3	54.4	54.5	55.0	55.2	55.5	55.7	56.0
≥ 3500	29.4	38.3	43.5	46.8	51.1	52.4	53.8	56.4	56.8	56.9	57.1	57.6	57.9	58.2	58.3	58.7
≥ 3000	30.7	39.9	45.5	49.1	53.6	54.8	56.2	58.8	59.4	59.5	59.6	60.2	60.4	60.8	60.9	61.3
≥ 2500	31.9	41.1	46.8	50.6	55.4	56.8	58.5	61.0	61.7	61.8	62.0	62.5	62.8	63.1	63.2	63.7
≥ 2000	31.9	41.2	47.0	50.9	55.7	57.1	58.8	61.6	62.3	62.4	62.5	63.1	63.4	63.7	63.8	64.3
≥ 1800	31.9	41.2	47.0	50.9	55.7	57.1	58.8	61.6	62.3	62.4	62.5	63.1	63.4	63.7	63.8	64.3
≥ 1500	32.3	41.9	47.7	51.7	56.6	58.2	60.0	62.8	63.6	63.7	63.8	64.4	64.6	65.0	65.1	65.6
≥ 1200	32.8	42.4	48.2	52.2	57.1	58.7	60.4	63.2	64.1	64.2	64.3	64.9	65.1	65.5	65.6	66.0
≥ 1000	33.1	42.6	48.4	52.5	57.6	59.4	61.3	64.2	65.0	65.2	65.3	65.9	66.2	66.5	66.6	67.1
≥ 900	33.4	42.9	48.8	52.9	58.1	59.9	61.7	64.6	65.5	65.7	65.8	66.5	66.7	67.1	67.2	67.7
≥ 800	34.3	43.8	49.7	53.8	59.0	60.8	62.7	65.6	66.4	66.6	66.7	67.4	67.7	68.0	68.1	68.6
≥ 700	34.2	43.8	49.8	54.0	59.5	61.3	63.1	66.0	66.9	67.1	67.2	67.9	68.1	68.5	68.6	69.1
≥ 600	34.5	44.1	50.3	54.6	60.7	62.4	64.4	67.4	68.3	68.5	68.6	69.3	69.5	69.9	70.0	70.5
≥ 500	35.1	44.8	51.2	55.9	62.8	64.8	67.3	70.9	71.9	72.2	72.5	73.2	73.4	73.7	73.9	74.3
≥ 400	36.2	46.2	53.0	57.9	65.5	67.4	70.6	74.8	76.0	76.5	77.4	78.2	78.8	79.1	79.2	79.7
≥ 300	36.4	46.9	53.9	58.8	67.4	69.9	73.5	78.4	79.9	80.6	81.7	82.6	83.4	83.8	83.9	84.5
≥ 200	36.4	46.9	54.1	59.2	68.5	71.3	75.6	81.3	83.4	84.6	86.0	87.0	88.1	88.6	89.0	89.7
≥ 100	36.4	46.9	54.1	59.2	68.7	71.6	76.8	84.1	86.9	89.3	91.9	93.0	94.4	95.6	96.7	98.7
≥ 0	36.4	46.9	54.1	59.2	68.7	71.6	76.8	84.1	86.9	89.3	91.9	93.0	94.5	95.8	97.1	100.0

TOTAL NUMBER OF OBSERVATION

857

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION PISAAA AB JP

STATION NAME

75-79

YEARS

JUL

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-1979
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	45.7	19.7	21.7	21.8	21.5	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4	22.4
≥20000	25.4	32.1	34.8	36.7	37.2	38.3	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥18000	25.5	32.6	35.5	36.9	38.0	39.1	39.2	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3	39.3
IV 16000	27.1	33.4	36.3	37.7	39.2	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
IV 14000	28.0	34.5	37.4	39.1	40.2	41.4	41.5	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
IV 12000	30.1	37.4	40.6	42.6	44.0	45.2	45.3	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5	45.5
IV 10000	32.0	39.9	43.4	45.5	47.0	48.3	48.4	48.5	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
IV 9000	32.4	40.3	43.8	45.9	47.4	48.8	49.0	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2	49.2
IV 8000	33.6	41.9	45.5	47.8	49.4	50.9	51.2	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 7000	34.1	42.3	46.7	48.6	50.3	51.9	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
IV 6000	34.5	42.9	47.7	49.4	51.2	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1	53.1
IV 5000	36.3	45.3	49.9	52.4	54.3	55.8	56.2	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
IV 4500	36.6	45.9	50.7	53.5	55.5	57.0	57.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3	58.3
IV 4000	37.7	47.4	52.4	55.2	57.3	59.3	59.4	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
IV 3500	38.4	48.4	53.7	56.6	59.0	60.6	61.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
IV 3000	41.9	52.6	57.9	60.9	63.5	65.1	65.6	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
IV 2500	44.2	55.0	60.5	63.9	66.0	67.7	68.1	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
IV 2000	44.7	55.6	61.2	64.3	66.9	68.5	69.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
IV 1800	44.8	55.8	61.4	64.5	67.1	68.7	69.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3
IV 1500	45.5	57.1	62.6	66.2	69.7	70.3	70.8	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
IV 1200	46.3	57.9	63.6	67.1	69.7	71.3	71.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
IV 1000	47.2	59.1	64.8	68.1	70.8	72.4	72.9	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
IV 900	47.5	59.5	65.2	68.6	71.6	73.3	73.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
IV 800	48.0	60.8	66.4	70.1	73.5	75.1	75.6	76.6	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
IV 700	48.7	61.5	67.7	71.7	75.2	76.9	77.4	78.5	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
IV 600	49.5	62.3	68.7	73.0	76.7	78.7	79.4	80.6	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.7
IV 500	50.7	63.8	70.7	75.0	80.2	82.4	83.3	84.7	84.9	85.3	85.5	85.5	85.5	85.5	85.5	85.5
IV 400	51.7	64.5	72.1	76.6	82.7	84.9	86.0	87.7	88.1	88.8	89.1	89.1	89.1	89.1	89.1	89.1
IV 300	51.9	64.9	72.4	77.1	83.6	86.4	88.0	90.3	91.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4
IV 200	51.5	65.1	72.7	77.4	84.4	87.6	89.5	92.6	93.7	95.0	95.3	95.3	95.3	95.3	95.3	95.3
IV 100	51.5	65.1	72.7	77.4	84.7	87.8	90.2	93.7	95.0	97.1	98.3	98.6	99.2	99.8	99.9	99.9
IV 0	51.5	65.1	72.7	77.4	84.7	87.8	90.2	93.7	95.0	97.1	98.3	98.6	99.2	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 363

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

YEARS 78-79

MONTH JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

12-0-1407
NO. OF OBS.

CEILING FEET	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1½	≥1	≥1	≥½	≥½	≥½	≥½	≥10	≥0
NO CEILING	19.2	21.6	22.7	23.4	24.4	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7	24.7
≥ 20000	29.3	36.3	38.1	39.7	41.1	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 18000	29.7	37.2	39.1	40.6	42.0	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
≥ 16000	31.6	39.4	41.2	42.8	44.2	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 14000	32.2	40.3	42.2	43.8	45.2	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 12000	34.3	42.7	44.8	46.5	48.0	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
≥ 10000	35.5	44.4	46.8	48.7	50.2	50.6	50.7	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ 9000	36.4	45.5	48.0	49.9	51.4	51.9	52.0	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
≥ 8000	38.9	48.5	51.0	52.9	54.6	55.1	55.2	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4	55.4
≥ 7000	39.5	49.0	51.5	53.6	55.3	55.7	55.8	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥ 6000	40.2	50.2	52.7	54.7	56.4	56.9	57.0	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 5000	42.1	52.3	55.4	57.4	59.1	59.6	59.7	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 4500	43.1	53.9	57.0	59.1	61.0	61.4	61.5	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0
≥ 4000	43.4	55.1	58.1	60.3	62.5	63.0	63.1	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 3500	45.6	57.6	61.0	63.2	65.8	66.3	66.4	66.7	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 3000	50.2	63.2	66.4	68.8	71.5	72.2	72.3	72.6	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2500	52.3	65.7	68.9	71.3	74.0	74.7	74.8	75.1	75.3	75.4	75.4	75.4	75.4	75.4	75.4	75.4
≥ 2000	53.1	66.9	70.0	72.5	75.4	76.0	76.2	76.5	76.8	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1800	53.3	67.2	70.4	72.9	75.7	76.4	76.5	76.8	77.2	77.3	77.3	77.3	77.3	77.3	77.3	77.3
≥ 1500	54.1	68.0	71.2	73.7	76.6	77.3	77.4	77.8	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1200	54.5	68.3	71.5	74.0	77.0	77.6	77.8	78.1	78.4	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 1000	54.5	68.8	72.2	74.7	77.8	78.4	78.5	78.9	79.2	79.3	79.3	79.3	79.3	79.3	79.3	79.3
≥ 900	54.8	69.2	72.6	75.3	78.3	79.2	79.3	79.7	80.0	80.1	80.1	80.1	80.1	80.1	80.1	80.1
≥ 800	55.6	70.5	73.9	76.5	79.6	80.5	80.6	80.9	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 700	56.4	71.2	74.7	77.4	80.5	81.5	81.6	82.0	82.3	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 600	57.0	72.5	76.2	79.2	82.4	83.5	83.9	84.3	84.8	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 500	57.5	73.1	77.4	80.7	84.2	85.5	85.9	86.6	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 400	58.0	73.6	78.2	81.6	85.8	87.2	88.0	88.8	89.3	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 300	58.1	74.2	79.5	83.0	87.9	89.7	90.6	92.1	92.7	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 200	58.3	74.6	79.8	83.4	88.5	90.7	91.9	94.2	95.2	96.3	96.4	96.4	96.4	96.4	96.4	96.4
≥ 100	58.3	74.6	79.8	83.4	88.5	90.8	92.1	95.2	96.6	97.6	98.3	98.6	98.8	99.4	99.4	100.0
≥ 0	58.3	74.6	79.8	83.4	88.5	90.8	92.1	95.2	96.6	97.6	98.3	98.6	98.8	99.4	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS 381

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISANA AS UP

75-79 YEARS

JUL MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥.4
NO CEILING	18.8	21.7	21.9	23.2	24.7	24.7	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0	24.0
≥ 20000	37.1	33.1	38.1	40.4	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5	41.5
IV ≥ 18000	37.3	36.3	38.4	40.2	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
IV ≥ 16000	31.3	37.9	40.7	41.8	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
IV ≥ 14000	33.2	40.4	42.7	44.7	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
IV ≥ 12000	33.7	42.3	45.3	47.2	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV ≥ 10000	36.3	44.2	47.0	49.2	50.9	50.9	51.7	51.3	51.0	51.0	51.0	51.0	51.0	51.0	51.0	51.0
IV ≥ 9000	38.0	45.9	48.8	51.2	52.9	52.9	53.0	53.0	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
IV ≥ 8000	41.3	48.5	51.0	53.9	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV ≥ 7000	41.2	49.7	53.0	55.6	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
IV ≥ 6000	41.3	50.0	53.3	56.1	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
IV ≥ 5000	42.4	51.7	54.6	57.4	59.1	59.1	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3	59.3
IV ≥ 4500	43.2	52.3	55.9	58.6	60.4	60.4	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6	60.6
IV ≥ 4000	43.9	53.7	57.5	59.3	62.4	62.4	62.6	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
IV ≥ 3500	45.7	56.3	60.1	63.1	65.3	65.4	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
IV ≥ 3000	49.4	60.9	64.7	67.9	70.4	70.5	70.7	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
IV ≥ 2500	50.9	63.4	67.2	70.3	72.8	72.9	73.3	73.4	73.5	73.6	73.6	73.6	73.6	73.6	73.6	73.6
IV ≥ 2000	52.3	65.0	68.8	71.9	74.4	74.7	75.1	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV ≥ 1800	52.3	65.0	68.8	71.9	74.4	74.7	75.1	75.2	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5
IV ≥ 1500	52.3	65.2	69.1	72.1	74.9	75.1	75.6	75.7	75.8	75.9	75.9	75.9	75.9	75.9	75.9	75.9
IV ≥ 1200	52.8	65.6	69.4	72.5	75.2	75.6	76.0	76.2	76.3	76.4	76.4	76.4	76.4	76.4	76.4	76.4
IV ≥ 1000	52.9	66.1	70.7	73.4	76.3	76.6	77.1	77.2	77.3	77.4	77.4	77.5	77.5	77.5	77.5	77.5
IV ≥ 900	52.9	66.2	70.7	73.5	76.4	76.7	77.2	77.3	77.4	77.5	77.5	77.6	77.6	77.6	77.6	77.6
IV ≥ 800	53.3	66.8	71.0	74.2	77.1	77.6	78.1	78.2	78.5	78.7	78.7	78.8	78.8	78.8	78.8	78.8
IV ≥ 700	53.8	67.2	71.5	74.8	77.6	78.2	78.7	78.8	79.0	79.3	79.3	79.4	79.4	79.4	79.4	79.4
IV ≥ 600	54.5	68.2	72.7	76.3	79.1	79.8	80.5	80.6	81.1	81.3	81.3	81.5	81.5	81.5	81.5	81.5
IV ≥ 500	55.1	68.8	73.5	77.4	80.3	81.0	81.9	82.1	82.6	82.9	82.9	83.1	83.1	83.1	83.1	83.1
IV ≥ 400	55.6	69.4	74.0	78.8	82.4	83.2	84.7	85.0	85.5	85.8	86.1	86.2	86.2	86.2	86.2	86.2
IV ≥ 300	56.1	69.7	75.3	79.8	83.8	84.9	86.8	87.7	88.2	88.9	89.6	89.9	90.2	90.2	90.2	90.2
IV ≥ 200	56.2	69.9	75.8	80.4	85.4	86.6	89.1	90.9	91.8	93.0	93.9	94.2	94.7	94.7	94.7	94.8
IV ≥ 100	56.2	69.9	75.8	80.4	85.4	86.9	89.6	92.4	93.7	95.6	97.2	97.7	98.5	99.1	99.2	99.9
IV ≥ 0	56.2	69.9	75.8	80.4	85.4	86.9	89.6	92.4	93.7	95.6	97.2	97.7	98.5	99.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS 868

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISAWA AB JP STATION NAME

78-79 YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1807-2007
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0
NO CEILING	15.3	17.2	19.5	21.3	23.0	23.1	23.2	23.6	23.6	23.6	23.6	23.7	23.8	23.8	23.8	23.8
≥ 20000	22.9	27.1	29.7	31.2	33.1	33.3	33.5	36.4	36.4	36.5	36.5	36.6	36.8	36.8	36.8	36.8
IV 18000	23.7	27.4	30.1	31.6	33.5	33.6	33.8	36.8	36.8	36.9	36.9	37.0	37.1	37.1	37.1	37.1
IV 16000	23.6	28.4	31.2	32.7	33.6	33.6	33.7	37.9	37.9	38.1	38.1	38.2	38.3	38.3	38.3	38.3
IV 14000	24.2	29.9	32.9	34.5	39.3	39.2	39.8	40.7	40.7	40.8	40.8	40.9	41.0	41.0	41.0	41.0
IV 12000	26.4	32.4	35.6	37.3	42.1	42.3	42.9	43.9	43.9	44.0	44.0	44.2	44.3	44.3	44.3	44.3
IV 10000	26.9	33.2	36.6	38.5	43.4	43.7	44.4	45.7	45.7	45.8	45.8	45.9	46.0	46.0	46.0	46.0
IV 9000	27.7	34.6	38.3	40.3	45.3	45.8	46.5	47.5	47.9	48.1	48.1	48.2	48.2	48.2	48.2	48.2
IV 8000	29.5	37.1	40.7	42.8	48.2	48.7	49.4	51.1	51.1	51.2	51.2	51.3	51.4	51.4	51.4	51.4
IV 7000	29.7	37.3	41.2	43.6	49.5	49.9	50.5	52.5	52.5	52.6	52.6	52.7	52.8	52.8	52.8	52.8
IV 6000	29.3	37.6	41.5	43.9	49.8	50.3	51.0	52.8	52.8	52.9	52.9	53.1	53.2	53.2	53.2	53.2
IV 5000	30.6	38.7	43.2	46.0	51.9	52.4	53.1	54.9	54.9	55.0	55.0	55.1	55.3	55.3	55.3	55.3
IV 4500	31.3	40.1	44.6	47.4	53.5	54.0	54.8	56.8	56.8	56.9	56.9	57.0	57.1	57.1	57.1	57.1
IV 4000	32.6	41.5	46.8	50.1	56.3	57.1	57.9	59.9	59.9	60.1	60.1	60.3	60.5	60.5	60.5	60.5
IV 3500	34.2	43.7	49.1	52.4	59.0	59.8	60.7	62.7	62.9	63.1	63.1	63.4	63.5	63.5	63.5	63.5
IV 3000	36.4	47.1	53.1	56.6	63.7	64.6	65.5	67.6	67.7	68.1	68.1	68.4	68.6	68.6	68.6	68.6
IV 2500	37.1	47.9	54.1	57.7	65.3	66.2	67.3	69.4	69.6	69.8	69.8	70.2	70.3	70.3	70.3	70.3
IV 2000	38.2	49.2	55.5	59.1	66.4	67.6	68.8	71.0	71.2	71.4	71.4	71.8	71.9	71.9	71.9	71.9
IV 1800	38.2	49.4	55.7	59.3	66.6	67.9	69.0	71.2	71.4	71.7	71.7	72.0	72.1	72.1	72.1	72.1
IV 1500	38.3	49.6	56.0	59.7	67.2	68.4	69.6	71.9	72.3	72.5	72.5	72.8	72.9	72.9	72.9	72.9
IV 1200	39.1	50.9	57.2	60.9	68.4	69.8	71.0	73.3	73.6	73.9	73.9	74.2	74.3	74.3	74.3	74.3
IV 1000	39.2	51.1	57.6	61.3	69.7	70.4	71.6	73.9	74.2	74.5	74.5	74.8	74.9	74.9	74.9	74.9
IV 900	39.3	51.2	57.7	61.5	69.2	70.6	71.8	74.1	74.5	74.7	74.7	75.0	75.1	75.1	75.1	75.1
IV 800	39.5	51.6	58.0	61.8	69.7	71.3	72.5	74.8	75.1	75.4	75.4	75.7	75.8	75.8	75.8	75.8
IV 700	39.7	52.0	58.5	62.3	70.2	71.8	72.9	75.4	75.7	76.0	76.0	76.3	76.5	76.5	76.5	76.5
IV 600	40.1	52.5	59.2	63.1	71.1	72.7	73.9	76.3	76.6	77.0	77.0	77.3	77.6	77.6	77.6	77.6
IV 500	40.7	53.1	59.8	63.6	71.9	73.5	74.9	77.2	77.7	78.0	78.0	78.3	78.6	78.6	78.6	78.6
IV 400	41.0	53.4	60.2	65.0	73.5	75.1	76.5	79.4	80.1	80.5	80.5	81.3	81.5	81.5	81.5	81.5
IV 300	41.4	53.9	61.0	66.4	73.6	77.6	79.1	82.9	83.9	84.5	85.3	85.8	86.0	86.0	86.0	86.0
IV 200	41.5	54.1	61.3	66.7	76.1	78.3	80.2	84.7	86.2	87.1	88.3	88.9	89.2	89.5	89.7	89.9
IV 100	41.5	54.1	61.3	66.8	76.4	78.7	80.9	86.5	89.4	91.1	93.4	94.2	95.0	96.6	97.1	99.0
IV 0	41.5	54.1	61.3	66.8	76.4	78.7	80.9	86.5	89.4	91.1	93.4	94.2	95.1	97.0	97.8	100.0

TOTAL NUMBER OF OBSERVATIONS 665

GLOBAL CLIMATOLOGY BRANCH
 USAF ETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION: B44 NAME: MISAWA AB JP YEARS: 75-79 MONTH: JUL

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

2100-2300
 HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.3	≥.25	≥.2	≥.15	≥.1	≥0
NO CEILING	12.6	16.6	21.5	23.0	27.3	28.2	28.3	29.8	29.8	29.8	29.8	30.1	30.1	30.2	30.3	30.3
≥ 20000	15.5	20.8	25.8	29.4	35.2	35.3	36.9	39.0	39.0	39.0	39.0	39.3	39.3	39.4	39.5	39.5
IV 18000	15.5	20.8	26.7	29.7	35.7	36.8	37.4	39.5	39.5	39.5	39.5	39.7	39.7	39.9	40.0	40.0
IV 16000	15.6	21.4	26.0	31.3	36.3	37.5	38.1	40.2	40.3	40.3	40.3	40.7	40.7	40.8	40.9	40.9
IV 14000	16.3	23.4	28.6	32.5	38.5	39.7	40.3	42.5	42.6	42.6	42.6	43.0	43.0	43.1	43.2	43.2
IV 12000	18.4	25.3	31.3	35.2	41.5	42.7	43.4	45.8	45.9	45.9	45.9	46.3	46.3	46.4	46.5	46.5
IV 10000	19.5	26.8	32.7	36.6	43.1	44.4	45.1	47.9	48.0	48.0	48.0	48.3	48.3	48.4	48.5	48.6
IV 9000	20.0	27.7	33.9	37.9	44.6	46.1	46.8	49.5	49.6	49.6	49.6	50.0	50.0	50.1	50.2	50.2
IV 8000	21.1	29.1	35.6	39.7	47.4	49.0	50.0	52.9	53.2	53.2	53.2	53.6	53.6	53.7	53.8	53.8
IV 7000	21.1	29.1	35.6	39.7	47.4	49.0	50.0	52.9	53.2	53.2	53.2	53.6	53.6	53.7	53.8	53.8
IV 6000	21.2	29.4	35.9	40.2	48.0	49.6	50.6	53.5	53.8	53.8	53.8	54.2	54.2	54.3	54.4	54.4
IV 5000	22.2	30.5	37.4	41.9	49.9	51.6	52.6	55.5	55.8	55.8	55.8	56.2	56.2	56.3	56.4	56.4
IV 4500	22.8	31.5	38.3	42.8	51.0	52.7	53.8	56.7	57.0	57.0	57.0	57.4	57.4	57.5	57.6	57.6
IV 4000	23.9	33.1	40.2	44.7	53.2	55.0	56.2	59.2	59.5	59.7	59.7	60.0	60.0	60.1	60.3	60.3
IV 3500	25.3	35.2	42.7	47.5	55.1	56.1	59.3	62.4	62.8	62.9	62.9	63.2	63.2	63.4	63.5	63.5
IV 3000	27.0	37.1	45.0	49.9	58.6	60.7	61.9	65.4	65.8	65.9	65.9	66.2	66.2	66.6	66.7	66.7
IV 2500	27.3	38.5	46.5	51.4	60.1	62.5	63.7	67.3	67.7	67.8	67.8	68.3	68.3	68.6	68.7	68.7
IV 2000	28.6	39.7	47.9	52.7	61.5	63.8	65.0	68.6	69.0	69.1	69.1	69.6	69.6	69.9	70.0	70.0
IV 1800	28.8	39.7	47.9	52.7	61.6	64.0	65.2	68.7	69.1	69.2	69.2	69.7	69.7	70.2	70.2	70.2
IV 1500	28.9	40.0	48.3	53.2	62.3	64.7	65.9	69.5	69.8	69.9	69.9	70.4	70.4	70.8	70.9	70.9
IV 1200	29.1	40.6	48.9	53.8	63.0	65.4	66.6	70.2	70.5	70.6	70.6	71.1	71.1	71.5	71.6	71.6
IV 1000	30.1	41.6	50.1	55.0	64.2	66.6	67.8	71.4	71.7	71.8	71.8	72.3	72.3	72.7	72.8	72.8
IV 900	30.3	41.9	50.4	55.3	64.4	66.8	68.0	71.6	72.0	72.1	72.1	72.6	72.6	72.9	73.0	73.0
IV 800	30.5	42.2	50.7	55.6	64.8	67.3	68.5	72.1	72.4	72.6	72.6	73.0	73.0	73.4	73.5	73.5
IV 700	31.1	43.2	51.7	56.6	65.8	68.3	69.5	73.0	73.4	73.5	73.5	74.0	74.0	74.3	74.5	74.5
IV 600	31.4	43.7	52.1	57.3	66.7	69.2	70.4	74.0	74.3	74.6	74.6	75.2	75.2	75.5	75.7	75.7
IV 500	31.5	43.8	52.4	57.5	67.2	69.7	70.9	74.6	74.9	75.2	75.3	75.8	75.8	76.1	76.3	76.3
IV 400	32.0	44.3	53.2	58.6	68.4	70.9	72.1	75.9	76.6	77.0	77.1	77.6	77.6	77.9	78.0	78.0
IV 300	32.5	44.7	53.9	59.7	69.8	72.6	73.7	78.3	79.4	79.8	80.4	80.9	80.9	81.4	81.6	81.6
IV 200	32.6	44.9	54.1	59.9	70.9	73.9	75.7	80.4	82.0	83.2	84.4	85.2	85.4	86.4	86.9	87.0
IV 100	32.6	44.9	54.3	60.1	71.5	74.8	77.1	83.4	85.7	87.8	90.2	91.5	93.0	95.6	96.8	98.8
IV 0	32.6	44.9	54.3	60.1	71.5	74.8	77.1	83.4	85.7	87.8	90.2	91.5	93.2	95.9	97.4	100.0

TOTAL NUMBER OF OBSERVATIONS 838

GLOBAL CLIMATOLOGY BRANCH
JFAPETAC
ATC WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

75-79

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.1	≥.05	≥.025	≥.01	≥0
NO CEILING	11.1	18.0	21.7	21.3	23.6	24.3	24.7	25.3	25.4	25.6	25.6	25.7	25.8	25.8	25.9	26.0
≥ 20000	22.1	27.3	30.2	32.4	35.5	36.3	36.8	37.7	37.9	38.1	38.2	38.2	38.3	38.4	38.4	38.6
≥ 18000	22.3	27.6	30.5	32.8	35.9	36.6	37.3	38.2	38.4	38.5	38.5	38.6	38.7	38.8	38.9	39.1
≥ 16000	22.9	28.5	31.5	33.8	36.9	37.8	38.3	39.2	39.4	39.6	39.6	39.7	39.8	39.9	40.7	41.1
≥ 14000	23.9	30.1	33.2	35.5	38.8	39.6	40.3	41.3	41.5	41.7	41.7	41.8	41.9	42.3	42.1	42.2
≥ 12000	25.4	32.2	35.5	38.1	41.6	42.6	43.3	44.3	44.5	44.7	44.7	44.8	45.0	45.1	45.1	45.3
≥ 10000	26.5	33.7	37.3	40.2	43.6	44.6	45.3	46.5	46.7	46.9	46.9	47.0	47.2	47.3	47.3	47.5
≥ 9000	27.3	34.5	39.3	41.7	44.8	45.8	46.5	47.8	48.0	48.2	48.2	48.3	48.5	48.6	48.6	48.8
≥ 8000	28.8	36.5	40.9	43.2	47.2	48.4	49.1	50.5	50.7	50.9	50.9	51.0	51.2	51.3	51.3	51.5
≥ 7000	29.1	36.8	40.9	43.9	48.1	49.2	50.0	51.4	51.7	51.8	51.9	52.0	52.1	52.2	52.3	52.5
≥ 6000	29.5	37.4	41.5	44.6	48.8	49.9	50.7	52.1	52.4	52.5	52.6	52.7	52.8	52.9	53.0	53.2
≥ 5000	30.8	39.3	43.8	46.9	51.4	52.5	53.3	54.8	55.1	55.3	55.3	55.4	55.6	55.7	55.7	55.9
≥ 4500	31.4	40.3	45.0	48.1	52.6	53.8	54.7	56.2	56.5	56.7	56.7	56.8	57.0	57.1	57.1	57.4
≥ 4000	32.2	41.5	46.5	49.7	54.4	55.3	56.7	58.3	58.6	58.8	58.8	59.0	59.1	59.2	59.3	59.5
≥ 3500	33.4	43.3	49.4	51.7	56.6	58.0	58.9	60.6	60.9	61.2	61.2	61.3	61.5	61.6	61.6	61.9
≥ 3000	36.0	46.4	51.8	55.2	60.4	61.9	62.9	64.6	65.0	65.2	65.3	65.5	65.6	65.7	65.8	66.0
≥ 2500	37.3	48.1	53.5	57.0	62.3	63.9	65.0	66.9	67.3	67.5	67.5	67.7	67.9	68.0	68.1	68.3
≥ 2000	37.9	49.0	54.4	58.0	63.4	65.0	66.1	68.1	68.6	68.8	68.8	69.1	69.2	69.3	69.4	69.6
≥ 1800	38.0	49.2	54.7	58.2	63.6	65.3	66.4	68.3	68.8	69.1	69.1	69.3	69.5	69.6	69.6	69.9
≥ 1500	38.4	49.7	55.2	58.9	64.4	66.1	67.2	69.2	69.7	69.9	69.9	70.1	70.3	70.4	70.5	70.7
≥ 1200	38.8	50.2	55.8	59.4	65.0	66.7	67.8	69.8	70.3	70.6	70.6	70.8	71.0	71.1	71.1	71.4
≥ 1000	39.2	50.8	56.5	60.2	65.9	67.6	68.7	70.7	71.3	71.5	71.6	71.8	71.9	72.1	72.1	72.4
≥ 900	39.4	51.1	56.8	60.5	66.2	68.0	69.1	71.1	71.7	71.9	71.9	72.2	72.3	72.5	72.5	72.8
≥ 800	39.9	51.8	57.6	61.3	67.1	69.0	70.1	72.1	72.7	73.0	73.0	73.2	73.4	73.5	73.6	73.8
≥ 700	40.3	52.3	58.2	62.0	67.9	69.8	70.9	73.0	73.5	73.8	73.8	74.1	74.2	74.4	74.4	74.7
≥ 600	40.8	53.0	59.0	63.1	69.1	71.1	72.4	74.4	75.0	75.3	75.4	75.6	75.8	75.9	76.0	76.2
≥ 500	41.5	53.7	60.0	64.2	70.7	72.8	74.2	76.5	77.2	77.6	77.7	78.0	78.2	78.3	78.3	78.6
≥ 400	42.0	54.3	61.0	65.5	72.7	74.8	76.5	79.2	80.1	80.7	80.9	81.2	81.5	81.6	81.6	81.9
≥ 300	42.2	54.7	61.6	66.3	74.0	76.5	78.4	81.7	82.9	83.7	84.3	84.6	84.9	85.0	85.1	85.4
≥ 200	42.3	54.9	61.9	66.7	75.0	77.8	80.2	84.2	85.8	87.1	88.0	88.5	89.0	89.4	89.6	90.3
≥ 100	42.3	54.9	61.9	66.7	75.2	78.2	81.0	86.2	88.5	90.7	92.5	93.4	94.7	96.3	97.1	99.0
≥ 0	42.3	54.9	61.9	66.7	75.2	78.2	81.0	86.2	88.5	90.7	92.5	93.4	94.8	96.5	97.5	100.0

TOTAL NUMBER OF OBSERVATIONS 6634

GLOBAL CLIMATOLOGY BRANCH
COMETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

75-79

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

100-8270

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥8	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	18.4	22.2	24.5	26.0	28.4	29.5	30.5	31.7	32.2	32.2	32.5	32.5	32.5	32.7	32.9	32.9
≥ 20000	23.6	28.1	37.5	32.3	35.3	33.5	37.6	38.9	39.5	39.5	39.9	39.9	39.9	40.4	40.4	40.4
≥ 18000	24.1	28.4	31.7	32.7	35.7	36.9	33.7	39.3	39.9	39.9	40.2	40.2	40.2	40.4	40.7	40.7
≥ 16000	24.1	28.6	31.1	32.8	35.8	37.7	38.1	39.4	40.0	40.0	40.4	40.4	40.4	40.5	40.8	40.8
≥ 14000	25.7	30.9	33.1	34.8	36.0	39.2	40.2	41.6	42.2	42.2	42.5	42.5	42.5	42.7	43.0	43.0
≥ 12000	28.6	34.3	37.7	39.8	42.9	44.1	45.3	46.6	47.2	47.2	47.6	47.6	47.6	47.7	48.1	48.1
≥ 10000	30.4	37.2	43.4	42.4	45.7	46.9	48.1	49.4	50.1	50.1	50.4	50.4	50.4	50.5	50.8	50.8
≥ 9000	31.6	38.6	41.7	43.7	47.0	48.2	49.4	50.7	51.3	51.3	51.7	51.7	51.7	51.9	52.2	52.2
≥ 8000	32.7	39.9	43.0	45.1	49.7	50.1	51.3	52.7	53.3	53.3	53.7	53.7	53.7	53.9	54.2	54.2
≥ 7000	33.1	40.4	43.6	45.7	49.3	50.7	51.9	53.3	53.9	54.0	54.3	54.3	54.3	54.5	54.8	54.8
≥ 6000	33.1	41.2	44.9	46.9	50.1	51.6	52.8	54.1	54.7	54.8	55.2	55.2	55.2	55.3	55.7	55.7
≥ 5000	35.3	45.1	48.4	50.5	54.1	55.5	56.7	58.4	59.0	59.2	59.5	59.5	59.5	59.6	60.0	60.0
≥ 4500	36.9	47.5	51.1	53.1	56.9	58.3	59.5	61.2	61.8	61.9	62.3	62.3	62.3	62.4	62.9	62.9
≥ 4000	37.7	49.6	53.4	55.7	59.6	61.1	62.4	64.2	64.8	64.9	65.3	65.3	65.3	65.4	65.9	65.9
≥ 3500	40.1	51.4	55.2	57.5	61.7	63.1	64.5	66.4	67.0	67.1	67.5	67.5	67.5	67.6	68.1	68.1
≥ 3000	42.2	54.0	58.7	60.5	64.7	66.3	67.6	69.5	70.1	70.2	70.6	70.6	70.6	70.7	71.2	71.2
≥ 2500	44.9	57.6	61.8	64.5	68.7	70.2	71.6	73.5	74.1	74.2	74.6	74.6	74.6	74.7	75.2	75.2
≥ 2000	45.5	58.9	63.1	65.8	70.0	71.9	73.3	75.2	75.8	75.9	76.3	76.3	76.3	76.4	76.9	76.9
≥ 1800	45.0	59.1	63.4	66.0	70.7	72.3	73.6	75.5	76.1	76.3	76.6	76.6	76.6	76.7	77.2	77.2
≥ 1500	46.3	59.9	64.3	67.0	71.8	73.4	74.7	76.6	77.2	77.3	77.7	77.7	77.7	77.8	78.3	78.3
≥ 1200	46.5	60.1	64.6	67.2	72.3	73.9	75.2	77.1	77.7	77.8	78.2	78.2	78.2	78.3	78.8	78.8
≥ 1000	47.1	60.7	65.4	68.1	73.5	75.1	76.4	78.3	78.9	79.0	79.4	79.4	79.4	79.5	80.0	80.0
≥ 900	47.7	61.4	66.1	68.9	74.3	75.9	77.2	79.2	79.8	79.9	80.2	80.2	80.2	80.4	80.8	80.8
≥ 800	47.7	61.4	66.1	68.9	74.5	76.1	77.3	79.3	79.9	80.0	80.4	80.4	80.4	80.5	81.0	81.0
≥ 700	47.7	61.4	66.1	69.0	74.7	76.3	77.6	79.5	80.1	80.2	80.6	80.6	80.6	80.7	81.2	81.2
≥ 600	48.1	61.9	66.5	69.6	75.5	77.1	78.4	80.5	81.1	81.3	81.7	81.7	81.7	81.8	82.3	82.3
≥ 500	48.7	62.8	67.5	70.7	77.0	78.6	79.9	82.4	83.0	83.3	83.6	83.6	83.6	83.7	84.2	84.2
≥ 400	49.4	63.5	68.2	71.4	78.1	79.8	81.2	83.9	84.6	84.9	85.4	85.4	85.4	85.5	86.7	86.7
≥ 300	49.6	63.7	68.6	72.3	79.3	81.3	83.1	87.0	88.1	88.7	89.2	89.2	89.2	89.3	90.1	90.2
≥ 200	49.6	63.7	68.8	72.5	79.8	81.9	83.7	88.4	89.6	91.6	93.1	94.2	94.2	94.7	96.0	96.6
≥ 100	49.6	63.7	68.8	72.5	79.8	82.0	84.1	89.6	91.6	93.1	94.2	94.2	94.2	94.7	96.0	96.6
≥ 0	49.6	63.7	68.8	72.5	79.8	82.0	84.1	89.6	91.6	93.1	94.2	94.2	94.2	94.7	96.0	96.6

TOTAL NUMBER OF OBSERVATIONS 530

CLIMAT CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME MISANA AB JP

73-79

106

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1330-0500
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥9	≥8	≥7	≥6	≥5	≥4	≥3	≥2	≥1	≥1/2	≥1/4	≥1/8	≥1/16	≥1/32	≥0
NO CEILING	17.3	21.1	24.1	24.8	25.4	27.3	28.0	28.8	29.1	29.4	29.5	29.7	30.1	30.3	30.8	31.2
≥ 20000	21.6	26.3	29.6	31.3	32.2	32.8	33.9	34.7	35.4	35.8	35.9	36.1	36.5	36.7	37.2	37.6
≥ 18000	21.9	26.7	30.1	30.8	32.6	33.4	34.5	35.3	36.1	36.5	36.6	36.8	37.2	37.4	37.9	38.3
≥ 16000	23.9	29.3	32.5	33.2	35.1	36.3	37.1	37.9	38.9	39.2	39.3	39.6	39.9	40.2	40.6	41.0
≥ 14000	26.2	32.1	36.5	37.2	39.3	40.4	41.5	42.3	43.2	43.7	43.8	44.1	44.4	44.8	45.3	45.6
≥ 12000	28.6	34.6	39.1	39.8	42.1	43.1	44.3	45.1	46.1	46.6	46.7	46.9	47.3	47.6	48.1	48.5
≥ 10000	29.7	36.1	40.5	41.5	43.7	44.5	46.0	46.8	47.7	48.2	48.3	48.6	48.9	49.3	49.8	50.1
≥ 9000	31.2	38.1	42.8	43.5	45.9	47.2	48.3	49.2	50.1	50.6	50.7	50.9	51.3	51.7	52.1	52.5
≥ 8000	31.4	38.3	43.1	43.8	46.2	47.5	48.7	49.5	50.5	50.9	51.1	51.3	51.7	52.1	52.5	52.8
≥ 7000	32.2	39.2	44.1	44.8	47.3	48.6	49.8	50.6	51.5	52.0	52.1	52.4	52.7	53.1	53.6	53.9
≥ 6000	34.7	42.8	48.7	48.7	51.2	52.5	53.7	54.6	55.6	56.0	56.2	56.4	56.8	57.1	57.6	57.9
≥ 5000	37.4	46.1	51.5	52.4	54.9	56.2	57.3	58.3	59.2	59.7	59.8	60.1	60.4	60.8	61.3	61.6
≥ 4500	39.3	48.5	54.5	55.3	57.9	59.2	60.4	61.5	62.4	62.9	63.0	63.3	63.6	64.0	64.5	64.8
≥ 4000	40.6	50.0	56.2	57.0	59.7	61.0	62.3	63.5	64.5	64.9	65.0	65.3	65.6	66.0	66.5	66.9
≥ 3500	43.5	53.3	59.5	60.3	63.2	64.5	65.8	66.9	67.9	68.4	68.5	68.7	69.1	69.4	69.9	70.4
≥ 3000	45.3	55.3	61.7	62.6	65.4	66.8	68.1	69.3	70.3	70.7	70.9	71.1	71.4	71.8	72.3	72.7
≥ 2500	46.2	57.8	64.5	65.5	68.5	70.0	71.4	72.7	73.8	74.4	74.5	74.8	75.1	75.5	75.9	76.4
≥ 2000	46.2	57.8	64.5	65.5	68.5	70.0	71.4	72.7	73.8	74.4	74.5	74.8	75.1	75.5	75.9	76.4
≥ 1800	46.2	57.8	64.5	65.5	68.5	70.0	71.4	72.7	73.8	74.4	74.5	74.8	75.1	75.5	75.9	76.4
≥ 1500	46.2	57.8	64.5	65.5	68.5	70.0	71.4	72.7	73.8	74.4	74.5	74.8	75.1	75.5	75.9	76.4
≥ 1200	47.1	59.4	66.1	67.8	71.0	72.5	73.9	75.2	76.3	76.9	77.0	77.3	77.6	78.0	78.4	78.9
≥ 1000	47.4	59.8	66.7	68.5	72.0	73.6	75.0	76.3	77.4	78.0	78.1	78.3	78.7	79.0	79.5	80.0
≥ 900	47.7	60.3	67.3	69.1	72.7	74.3	75.7	77.1	78.1	78.7	78.8	79.0	79.4	79.7	80.2	80.7
≥ 800	47.7	60.3	67.3	69.1	72.7	74.3	75.7	77.1	78.1	78.7	78.8	79.0	79.4	79.7	80.2	80.7
≥ 700	48.1	60.9	68.0	70.1	74.2	75.7	77.3	78.8	80.0	80.6	80.7	80.9	81.3	81.6	82.2	82.7
≥ 600	48.6	61.4	68.5	70.5	75.1	76.7	78.2	79.7	80.9	81.6	81.8	82.1	82.5	82.8	83.4	84.0
≥ 500	48.8	61.6	69.0	71.2	75.9	77.7	79.3	80.8	82.1	82.9	83.1	83.3	83.8	84.1	84.7	85.3
≥ 400	49.2	62.0	69.3	71.6	76.3	78.1	79.6	81.2	82.6	83.5	83.6	84.0	84.5	84.8	85.4	86.0
≥ 300	49.4	62.4	69.9	72.3	77.7	79.9	81.8	83.8	85.3	86.6	87.2	87.6	88.2	88.5	89.1	89.7
≥ 200	49.4	62.4	69.9	72.4	78.2	80.5	82.6	84.8	86.6	88.9	90.0	90.4	91.2	91.9	92.8	93.7
≥ 100	49.4	62.4	69.9	72.4	78.2	80.5	82.7	85.7	87.9	90.0	91.5	91.9	93.1	94.9	96.3	99.3
≥ 0	49.4	62.4	69.9	72.4	79.2	80.5	82.7	85.7	87.9	90.0	91.5	91.9	93.1	94.9	96.3	100.0

TOTAL NUMBER OF OBSERVATIONS 544

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 C
STATION

MISAWA AB JP

STATION NAME

73-79

YEARS

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0850
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥.5	≥.25	≥.15	≥.1	≥.05	≥.025	≥.01
NO CEILING	17.4	19.7	20.4	21.4	22.6	22.9	23.4	24.3	24.5	24.9	24.9	24.9	24.9	24.9	25.1	25.2
≥ 20000	26.4	30.5	32.1	33.5	35.1	35.6	36.0	37.1	37.3	37.7	37.9	37.9	38.0	38.0	38.2	38.4
≥ 18000	26.6	30.7	32.3	33.7	35.3	35.8	36.2	37.3	37.5	38.0	38.2	38.2	38.3	38.3	38.6	38.8
≥ 16000	27.2	31.3	32.9	34.3	35.9	36.4	36.8	37.9	38.2	38.7	38.9	38.9	39.0	39.0	39.2	39.5
≥ 14000	28.9	33.1	34.8	36.1	38.0	38.4	39.1	40.2	40.5	41.0	41.2	41.2	41.3	41.3	41.5	41.8
≥ 12000	31.3	36.5	38.8	40.6	42.6	43.2	43.8	45.3	45.3	45.9	46.1	46.3	46.3	46.3	46.5	46.7
≥ 10000	33.9	39.7	42.3	44.4	46.4	47.0	47.6	48.8	49.1	49.7	49.9	49.9	50.1	50.1	50.3	50.5
≥ 9000	34.6	40.5	43.2	45.2	47.2	47.8	48.4	49.7	50.1	50.6	50.9	50.9	51.0	51.0	51.2	51.4
≥ 8000	35.2	42.7	45.7	48.0	50.4	51.0	51.8	53.3	53.6	54.2	54.4	54.4	54.5	54.5	54.8	55.0
≥ 7000	36.7	43.2	46.3	48.6	51.2	51.8	52.7	54.2	54.5	55.1	55.4	55.4	55.5	55.5	55.7	55.9
≥ 6000	36.9	43.6	46.8	49.1	52.0	52.6	53.5	55.0	55.4	55.9	56.2	56.2	56.3	56.3	56.5	56.7
≥ 5000	39.1	46.7	50.7	52.5	55.8	55.9	56.8	58.3	58.7	59.4	59.6	59.6	59.7	59.7	60.0	60.2
≥ 4500	41.2	49.5	52.9	55.2	58.1	58.7	59.6	61.1	61.4	62.1	62.4	62.4	62.5	62.5	62.7	62.9
≥ 4000	43.6	52.1	55.0	56.3	61.3	62.0	63.1	64.6	64.9	65.6	65.8	65.8	65.9	65.9	66.2	66.4
≥ 3500	44.2	52.9	57.2	59.5	62.6	63.4	64.4	65.9	66.3	67.0	67.2	67.2	67.3	67.3	67.5	67.8
≥ 3000	45.3	55.0	59.6	62.0	65.7	66.5	67.7	69.2	69.5	70.2	70.4	70.4	70.5	70.5	70.8	71.0
≥ 2500	47.4	57.4	62.1	64.7	68.4	69.3	70.4	71.9	72.3	73.0	73.2	73.2	73.3	73.3	73.5	73.8
≥ 2000	48.3	58.6	63.5	66.2	69.9	70.8	71.9	73.4	73.8	74.5	74.7	74.7	74.8	74.8	75.0	75.3
≥ 1800	48.1	58.6	63.5	66.2	69.9	70.8	71.9	73.4	73.8	74.5	74.7	74.7	74.8	74.8	75.0	75.3
≥ 1500	48.8	60.2	65.4	68.0	71.9	73.1	74.3	75.8	76.2	76.9	77.1	77.1	77.2	77.2	77.4	77.7
≥ 1200	50.5	62.0	67.3	70.0	74.1	75.3	76.5	78.0	78.4	79.1	79.3	79.3	79.4	79.4	79.6	79.9
≥ 1000	51.7	62.9	68.2	71.0	75.5	76.6	77.9	79.4	79.7	80.4	80.7	80.7	80.8	80.8	81.0	81.2
≥ 900	51.7	62.9	68.2	71.1	75.7	76.9	78.1	79.6	80.0	80.7	80.9	80.9	81.0	81.0	81.2	81.5
≥ 800	51.9	64.0	69.4	72.3	77.1	78.4	79.6	81.2	81.6	82.3	82.5	82.5	82.6	82.6	82.9	83.1
≥ 700	52.4	64.1	69.6	72.6	77.6	78.9	80.2	81.8	82.2	82.9	83.1	83.1	83.2	83.2	83.4	83.7
≥ 600	52.5	64.7	70.2	73.2	78.6	80.3	81.7	83.5	83.9	84.6	84.8	84.8	85.0	85.0	85.3	85.5
≥ 500	52.8	65.0	70.7	73.8	79.2	80.9	82.4	84.7	85.0	86.0	86.2	86.2	86.4	86.4	86.7	86.9
≥ 400	52.8	65.0	70.8	74.1	79.7	81.5	83.0	85.6	86.3	87.2	87.5	87.5	87.7	87.7	88.1	88.4
≥ 300	53.0	65.2	71.1	74.6	80.7	82.5	84.1	87.5	88.1	89.3	89.6	89.6	89.9	89.9	90.1	90.6
≥ 200	53.0	65.2	71.1	74.7	80.9	83.2	85.5	89.2	90.3	92.1	93.0	93.2	93.8	94.2	94.5	94.8
≥ 100	53.0	65.2	71.1	74.7	80.9	83.4	85.7	89.9	91.3	93.3	94.8	95.3	96.5	97.3	98.3	99.4
≥ 0	53.0	65.2	71.1	74.7	80.9	83.4	85.7	89.9	91.3	93.3	94.8	95.3	96.5	97.3	98.3	99.4

TOTAL NUMBER OF OBSERVATIONS 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

4442 MISAWA AB JP

70-79

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1970-1979
HOURS 15

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	19.9	22.1	23.6	24.4	25.1	25.3	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5	25.5
≥ 20000	29.4	34.3	36.1	37.2	38.1	38.3	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥ 18000	29.9	34.2	36.6	37.7	38.7	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥ 16000	30.4	35.5	37.3	38.4	39.4	39.6	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7	39.7
≥ 14000	33.3	39.0	40.7	41.9	42.8	43.1	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 12000	35.4	42.0	44.2	45.5	46.4	46.6	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8	46.8
≥ 10000	36.7	45.6	48.0	49.3	50.2	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 9000	39.5	46.5	49.7	50.2	51.3	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥ 8000	42.2	50.0	52.5	53.9	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6	55.6
≥ 7000	42.8	50.6	53.4	54.7	56.0	56.4	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 6000	43.5	51.6	54.2	55.7	56.9	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 5000	45.4	53.7	56.3	57.6	59.3	59.7	59.8	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 4500	46.6	55.8	58.3	59.8	61.5	62.0	62.2	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 4000	48.0	57.4	60.1	61.6	63.3	63.9	64.0	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 3500	50.3	59.3	62.6	64.1	66.3	66.7	66.8	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥ 3000	53.5	63.9	66.8	68.4	70.3	70.9	71.1	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 2500	55.9	67.0	70.0	71.8	73.6	74.3	74.5	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 2000	57.2	70.0	73.0	74.9	77.1	77.8	78.0	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 1800	57.3	70.1	73.1	75.0	77.2	77.9	78.1	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4	78.4
≥ 1500	58.7	71.6	74.7	76.9	79.3	80.0	80.2	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4	80.4
≥ 1200	59.8	73.3	76.3	78.5	81.1	81.8	82.1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3
≥ 1000	61.0	75.2	78.5	81.0	83.8	84.5	85.3	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
≥ 900	61.1	75.3	78.6	81.1	84.0	84.7	85.2	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5	85.5
≥ 800	61.6	75.9	79.3	81.9	85.0	85.6	86.3	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 700	61.9	76.3	79.6	82.3	85.5	86.3	87.2	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 600	63.0	77.3	81.1	84.0	87.4	88.3	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 500	63.3	77.7	81.9	84.8	88.8	89.8	90.9	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 400	63.5	77.9	82.6	85.8	90.0	91.3	92.6	93.6	94.0	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 300	63.7	78.0	83.2	86.5	91.1	92.8	94.4	95.9	96.5	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 200	63.7	78.3	83.7	86.5	91.6	93.8	95.5	97.5	98.3	98.8	99.2	99.2	99.4	99.5	99.5	99.5
≥ 100	63.7	78.0	83.2	86.5	91.6	93.8	95.5	97.5	98.3	98.8	99.4	99.5	99.8	99.9	99.9	99.9
≥ 0	63.7	78.0	83.2	86.5	91.6	93.8	95.5	97.5	98.3	98.8	99.4	99.5	99.8	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 864

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

STATION NAME

7J-79

YEARS

AUG

2014

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥8	≥6	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.5	≥.5	≥.5	≥.5	≥.5
NO CEILING	23.1	25.6	26.3	26.9	27.4	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
≥ 20000	33.2	39.6	40.7	41.5	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 18000	33.2	39.6	40.7	41.5	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 16000	33.2	39.6	40.7	41.5	42.2	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 14000	37.6	44.8	45.0	46.8	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 12000	41.1	49.5	51.1	52.1	52.8	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 10000	44.0	52.8	54.5	55.6	56.3	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 9000	44.7	53.6	55.4	56.4	57.1	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3	57.3
≥ 8000	47.1	57.2	59.1	60.2	60.8	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 7000	47.3	57.9	59.8	60.8	61.5	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000	47.4	58.6	60.5	61.6	62.3	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5	62.5
≥ 5000	48.5	60.2	62.3	63.4	64.2	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4500	49.8	61.9	64.1	65.3	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 4000	51.2	63.3	65.8	67.2	67.9	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 3500	53.8	65.5	69.3	70.4	71.3	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 3000	56.7	70.1	72.9	74.5	75.6	76.1	76.1	76.2	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥ 2500	58.4	72.5	75.3	77.0	78.3	78.9	78.9	79.0	79.0	79.1	79.1	79.1	79.1	79.1	79.1	79.1
≥ 2000	60.2	75.7	78.6	80.4	81.9	82.5	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1800	60.2	75.7	78.6	80.4	81.9	82.5	82.5	82.7	82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 1500	61.6	77.8	80.6	82.5	84.1	84.8	84.8	85.0	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	61.9	78.3	80.9	83.0	84.5	85.2	85.2	85.4	85.4	85.6	85.6	85.6	85.6	85.6	85.6	85.6
≥ 1000	62.9	79.1	82.1	84.3	85.9	86.6	86.6	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 900	63.2	79.7	82.7	85.1	86.6	87.2	87.2	87.5	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 800	63.5	80.1	83.3	85.7	87.2	87.7	87.7	88.0	88.0	88.3	88.3	88.4	88.4	88.4	88.4	88.4
≥ 700	64.2	80.8	84.3	86.5	88.0	88.7	88.8	89.2	89.3	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 600	65.2	81.9	85.6	88.1	89.8	90.6	90.9	91.2	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4
≥ 500	65.8	82.6	86.3	89.2	91.2	92.2	92.4	93.0	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 400	66.1	83.2	87.4	90.3	92.6	93.6	94.0	94.6	94.8	95.0	95.1	95.1	95.1	95.1	95.1	95.1
≥ 300	66.4	83.7	88.0	91.0	93.9	95.3	96.3	97.0	97.4	97.7	97.9	97.9	97.9	97.9	97.9	97.9
≥ 200	66.4	83.7	88.0	91.0	94.2	95.7	97.0	98.1	98.5	99.1	99.2	99.3	99.3	99.3	99.3	99.3
≥ 100	66.4	83.7	88.0	91.0	94.2	95.8	97.2	98.4	98.9	99.4	99.5	99.7	99.9	99.9	99.9	99.9
≥ 0	66.4	83.7	88.0	91.0	94.2	95.8	97.2	98.4	98.9	99.4	99.5	99.7	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 586

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

224 3 HISSA AB JP

73-79

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1750

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	24.3	27.4	27.0	26.3	29.1	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000	32.9	39.5	42.1	40.6	41.4	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 18000	33.3	40.2	40.6	41.0	41.8	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 16000	34.1	41.0	41.7	42.2	43.0	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3	43.3
≥ 14000	36.6	44.0	44.9	45.4	46.2	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 12000	39.8	47.9	48.9	49.3	50.1	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥ 10000	41.3	50.0	50.9	51.4	52.3	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥ 9000	43.0	51.8	52.9	53.4	54.6	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 8000	46.8	56.3	57.8	58.4	59.7	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 7000	47.4	57.1	58.6	59.2	60.5	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9	60.9
≥ 6000	47.7	57.5	59.1	59.7	60.9	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 5000	47.9	58.2	60.9	61.5	62.8	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 4500	50.1	60.3	62.2	62.8	64.1	64.6	64.6	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 4000	52.0	63.0	64.8	65.4	66.9	67.4	67.4	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
≥ 3500	53.8	65.6	67.5	68.0	69.5	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 3000	56.1	69.0	71.0	71.7	73.8	74.3	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	58.5	72.1	74.4	75.1	77.2	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
≥ 2000	59.5	74.1	76.6	77.2	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1800	59.5	74.1	76.6	77.2	79.4	79.9	79.9	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1500	60.1	74.3	77.2	77.9	81.3	81.8	81.8	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
≥ 1200	60.9	75.9	78.4	79.1	81.5	82.0	82.0	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2
≥ 1000	62.5	77.7	80.3	81.3	83.7	84.1	84.1	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 900	62.3	78.0	80.7	81.6	84.0	84.6	84.7	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 800	63.4	79.0	81.8	82.5	85.2	85.7	85.9	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1	86.1
≥ 700	64.1	79.7	82.3	83.2	85.9	86.6	86.8	87.2	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 600	64.8	80.6	83.2	84.3	87.0	87.8	88.0	89.0	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 500	65.6	81.6	84.5	86.0	89.1	89.9	90.3	91.3	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 400	65.0	82.1	85.3	87.2	90.9	92.1	92.5	93.4	93.8	93.9	93.9	93.9	93.9	93.9	93.9	93.9
≥ 300	66.0	82.2	85.6	87.7	92.0	93.3	94.4	95.4	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 200	66.0	82.2	85.6	87.8	92.6	94.4	95.7	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 100	66.0	82.2	85.6	87.8	92.8	94.5	95.9	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 0	66.0	82.2	85.6	87.8	92.8	94.5	95.9	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9

TOTAL NUMBER OF OBSERVATIONS

572

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

44-2
STATION

KISAWA AB JP

STATION NAME

70-79

YEARS

AUG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	¾	≥0
NO CEILING	18.8	21.8	23.3	24.8	25.4	25.7	25.8	25.9	26.1	26.1	26.1	26.1	26.1	26.1	26.1	26.1
≥ 20000	27.3	33.6	36.3	38.0	39.2	39.5	39.7	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 18000	27.3	33.6	36.3	38.0	39.2	39.5	39.7	40.1	40.2	40.2	40.2	40.2	40.2	40.2	40.2	40.2
≥ 16000	27.7	34.4	37.2	39.0	40.2	40.5	40.8	41.1	41.2	41.2	41.2	41.2	41.2	41.2	41.2	41.2
≥ 14000	30.0	37.7	40.5	42.6	43.7	44.1	44.3	44.8	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 12000	33.1	41.7	44.7	46.7	48.2	48.6	48.8	49.3	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.4
≥ 10000	35.5	44.5	47.6	49.7	51.2	51.5	51.8	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 9000	36.2	45.5	48.6	50.6	52.2	52.6	52.8	53.4	53.5	53.5	53.5	53.5	53.5	53.5	53.5	53.5
≥ 8000	38.7	48.3	51.7	53.7	55.3	55.8	56.0	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 7000	39.0	49.3	52.9	55.1	56.7	57.2	57.4	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 6000	39.8	50.2	54.0	56.3	57.9	58.3	58.6	59.1	59.2	59.2	59.2	59.2	59.2	59.2	59.2	59.2
≥ 5000	41.7	52.9	56.3	58.6	60.2	60.6	60.8	61.4	61.5	61.5	61.5	61.5	61.5	61.5	61.5	61.5
≥ 4500	42.8	53.6	57.5	59.8	61.5	62.0	62.2	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 4000	44.2	55.7	59.8	62.2	64.3	64.8	65.0	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	46.2	58.0	62.1	64.5	66.8	67.3	67.5	68.3	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 3000	48.2	61.0	65.4	67.9	70.3	70.8	71.2	72.0	72.2	72.2	72.2	72.2	72.2	72.2	72.2	72.2
≥ 2500	49.9	63.7	68.3	70.7	73.6	74.2	74.5	75.3	75.5	75.5	75.5	75.5	75.5	75.5	75.5	75.5
≥ 2000	51.4	66.5	71.2	73.6	76.6	77.2	77.6	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1800	51.4	66.5	71.2	73.6	76.6	77.2	77.6	78.4	78.6	78.6	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1500	52.4	67.4	72.4	74.9	77.8	78.4	79.0	79.8	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200	52.9	68.1	73.1	75.7	78.9	79.4	80.1	80.9	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 1000	53.6	69.5	74.3	76.8	80.3	80.8	81.5	82.3	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 900	54.1	69.6	74.9	77.5	80.9	81.5	82.2	83.0	83.2	83.2	83.2	83.2	83.2	83.2	83.2	83.2
≥ 800	54.2	69.7	75.0	77.7	81.2	81.7	82.4	83.2	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥ 700	54.6	70.1	75.4	78.2	81.6	82.2	82.9	83.7	83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9
≥ 600	55.5	71.1	76.3	79.1	82.5	83.1	84.0	84.8	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 500	55.7	71.5	76.8	79.7	83.9	84.8	85.9	86.7	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 400	56.3	72.1	77.8	80.8	85.6	86.9	87.9	89.2	89.7	89.7	89.9	90.0	90.0	90.0	90.0	90.0
≥ 300	56.4	72.3	78.1	81.3	86.5	88.2	89.6	91.8	93.0	93.5	93.7	93.6	93.9	93.9	93.9	93.9
≥ 200	56.4	72.3	78.1	81.3	86.8	88.9	90.8	93.9	95.6	96.2	96.7	96.9	97.0	97.0	97.0	97.0
≥ 100	56.4	72.3	78.1	81.3	86.8	88.9	90.8	94.3	96.1	96.9	97.7	97.9	98.3	98.6	98.9	99.8
≥ 0	56.4	72.3	78.1	81.3	86.8	88.9	90.8	94.4	96.2	97.1	97.9	98.2	98.5	98.9	99.1	100.0

TOTAL NUMBER OF OBSERVATIONS 871

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP
STATION NAME

75-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥⅑	≥0
NO CEILING	19.9	23.5	25.1	26.2	28.0	28.8	29.8	30.4	30.4	30.6	30.9	31.0	31.2	31.2	31.2	31.3
≥ 20000	25.9	31.1	33.5	35.5	37.1	37.9	38.9	39.8	39.9	40.2	40.4	40.5	40.8	40.8	40.8	40.9
≥ 18000	26.1	31.3	33.7	35.3	37.3	38.1	39.1	40.0	40.2	40.4	40.6	40.8	41.0	41.0	41.0	41.1
≥ 16000	26.1	31.3	33.7	35.4	37.4	38.3	39.2	40.2	40.3	40.5	40.8	40.9	41.1	41.1	41.1	41.2
≥ 14000	28.0	34.1	36.7	38.5	40.5	41.6	42.6	43.5	43.6	43.9	44.1	44.2	44.5	44.5	44.5	44.6
≥ 12000	31.0	37.8	40.6	42.8	45.2	46.4	47.4	48.4	48.5	48.7	49.7	49.1	49.3	49.3	49.3	49.5
≥ 10000	33.0	40.5	44.0	46.2	49.7	49.9	51.1	52.1	52.3	52.6	52.8	52.9	53.2	53.2	53.2	53.3
≥ 9000	33.3	40.9	44.3	46.6	49.1	50.3	51.5	52.4	52.7	52.9	53.2	53.3	53.5	53.5	53.5	53.6
≥ 8000	34.4	42.3	45.8	48.0	50.5	51.7	52.9	53.9	54.1	54.4	54.6	54.7	54.9	54.9	54.9	55.1
≥ 7000	34.8	42.8	46.6	49.0	51.5	52.7	53.9	54.8	55.1	55.3	55.5	55.7	55.9	55.9	55.9	56.0
≥ 6000	35.3	43.6	47.4	49.9	52.7	54.1	55.4	56.4	56.6	56.9	57.1	57.2	57.4	57.4	57.4	57.6
≥ 5000	36.6	45.6	49.6	52.2	55.1	56.5	57.8	58.9	59.1	59.4	59.6	59.7	60.0	60.0	60.0	60.1
≥ 4500	37.1	47.0	50.9	53.5	56.5	58.0	59.4	60.4	60.8	61.0	61.3	61.4	61.6	61.6	61.6	61.7
≥ 4000	39.5	49.7	53.9	56.5	60.1	61.6	63.1	64.1	64.5	64.7	65.0	65.1	65.3	65.3	65.3	65.4
≥ 3500	41.6	51.8	56.5	58.6	62.3	64.0	65.4	66.5	66.9	67.1	67.3	67.5	67.7	67.7	67.7	67.8
≥ 3000	43.5	54.1	58.3	61.0	65.0	66.9	68.5	69.6	70.0	70.2	70.4	70.6	70.8	70.8	70.8	70.9
≥ 2500	45.5	56.7	61.1	64.1	68.2	70.2	71.9	72.9	73.3	73.5	73.8	73.9	74.1	74.1	74.1	74.3
≥ 2000	47.0	59.0	63.8	66.9	70.9	72.9	74.6	75.7	76.0	76.3	76.5	76.6	76.9	76.9	76.9	77.0
≥ 1800	47.0	59.2	64.0	67.1	71.2	73.2	74.9	75.9	76.3	76.5	76.8	76.9	77.1	77.1	77.1	77.2
≥ 1500	48.0	60.9	65.7	68.8	73.1	75.2	76.9	77.9	78.3	78.5	78.8	78.9	79.1	79.1	79.1	79.3
≥ 1200	48.4	61.4	66.3	69.4	74.1	76.3	77.9	79.0	79.4	79.6	79.9	80.0	80.2	80.2	80.2	80.3
≥ 1000	48.5	61.7	66.9	70.0	75.0	77.4	79.0	80.2	80.6	80.8	81.0	81.2	81.4	81.4	81.4	81.5
≥ 900	48.9	62.1	67.3	70.4	75.4	77.8	79.5	80.7	81.0	81.3	81.5	81.6	81.9	81.9	81.9	82.0
≥ 800	49.0	62.3	67.8	70.9	76.2	78.5	80.3	81.5	81.9	82.1	82.4	82.5	82.7	82.7	82.7	82.8
≥ 700	49.5	63.1	68.5	71.6	77.0	79.5	81.3	82.5	82.8	83.1	83.3	83.4	83.7	83.7	83.7	83.8
≥ 600	49.9	63.4	68.9	72.1	77.7	80.5	82.2	83.4	83.8	84.0	84.3	84.4	84.6	84.6	84.6	84.7
≥ 500	50.3	63.9	69.4	72.7	78.9	81.8	83.7	84.9	85.2	85.5	85.7	85.8	86.1	86.1	86.1	86.2
≥ 400	51.1	65.1	70.6	74.1	80.8	83.9	85.9	87.6	88.1	88.3	88.6	88.7	89.0	89.0	89.0	89.2
≥ 300	51.3	65.3	70.9	74.5	81.8	85.2	87.7	90.2	91.3	91.7	92.1	92.3	92.6	92.6	92.6	92.7
≥ 200	51.3	65.3	70.9	74.6	82.2	86.1	88.9	91.9	93.2	93.7	94.3	94.4	95.0	95.2	95.4	95.6
≥ 100	51.4	65.6	71.2	74.9	82.5	86.5	89.5	93.3	94.9	96.1	96.8	97.0	98.1	98.6	98.9	99.8
≥ 0	51.4	65.6	71.2	74.9	82.5	86.5	89.5	93.3	94.9	96.1	96.8	97.0	98.1	98.6	98.9	100.0

TOTAL NUMBER OF OBSERVATIONS 639

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4442
STATION

MISAWA AB JP
STATION NAME

70-79
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5-16	≥1	≥0
NO CEILING	17.9	22.8	24.4	25.3	26.5	27.0	27.5	27.9	28.1	28.2	28.3	28.3	28.4	28.4	28.5	28.6
≥ 20000	27.6	33.0	34.9	36.1	37.6	38.1	38.6	39.2	39.4	39.5	39.6	39.7	39.7	39.8	39.9	40.0
≥ 18000	27.8	33.2	35.2	36.4	37.9	38.4	38.9	39.4	39.7	39.8	39.9	40.0	40.1	40.1	40.2	40.3
≥ 16000	28.3	33.8	35.9	37.1	38.5	39.1	39.6	40.1	40.4	40.5	40.6	40.7	40.7	40.8	40.9	41.0
≥ 14000	30.5	36.6	38.7	40.0	41.5	42.1	42.6	43.2	43.5	43.6	43.7	43.8	43.9	43.9	44.0	44.1
≥ 12000	33.4	40.4	42.9	44.3	46.0	46.6	47.2	47.8	48.1	48.2	48.3	48.3	48.4	48.5	48.6	48.7
≥ 10000	35.7	43.2	46.0	47.4	49.2	49.8	50.4	51.0	51.3	51.4	51.5	51.6	51.7	51.7	51.9	51.9
≥ 9000	36.7	44.3	47.1	48.6	50.3	51.0	51.6	52.2	52.5	52.6	52.7	52.8	52.9	52.9	53.0	53.1
≥ 8000	38.8	47.0	49.9	51.4	53.4	54.1	54.7	55.3	55.6	55.8	55.9	56.0	56.0	56.1	56.2	56.3
≥ 7000	39.2	47.6	50.6	52.2	54.2	54.9	55.5	56.2	56.5	56.6	56.7	56.8	56.9	56.9	57.1	57.2
≥ 6000	39.6	48.3	51.4	53.0	55.1	55.9	56.5	57.1	57.4	57.6	57.7	57.7	57.8	57.9	58.0	58.1
≥ 5000	41.3	50.8	54.1	55.7	57.8	58.6	59.2	60.0	60.3	60.5	60.6	60.6	60.7	60.8	60.9	61.0
≥ 4500	42.8	52.8	56.2	57.8	60.0	60.8	61.5	62.2	62.5	62.7	62.8	62.9	62.9	63.0	63.1	63.2
≥ 4000	44.7	55.0	58.6	60.4	62.7	63.6	64.3	65.1	65.3	65.5	65.6	65.7	65.8	65.8	66.0	66.1
≥ 3500	46.4	57.1	60.8	62.5	65.1	66.0	66.6	67.5	67.8	68.0	68.1	68.1	68.2	68.3	68.4	68.5
≥ 3000	48.8	60.1	64.1	65.9	68.6	69.6	70.3	71.2	71.5	71.7	71.8	71.8	71.9	72.0	72.1	72.2
≥ 2500	50.8	62.9	66.9	68.9	71.7	72.8	73.5	74.4	74.7	74.9	75.0	75.0	75.1	75.2	75.3	75.4
≥ 2000	52.3	65.2	69.4	71.4	74.4	75.4	76.2	77.1	77.4	77.6	77.8	77.8	77.9	77.9	78.1	78.2
≥ 1800	52.0	65.3	69.4	71.5	74.5	75.6	76.3	77.2	77.6	77.8	77.9	77.9	78.0	78.1	78.2	78.3
≥ 1500	52.9	66.5	70.8	73.0	76.1	77.2	78.0	78.9	79.3	79.5	79.6	79.6	79.7	79.8	79.9	80.0
≥ 1200	53.6	67.4	71.7	73.9	77.3	78.4	79.2	80.1	80.4	80.6	80.7	80.8	80.9	80.9	81.1	81.2
≥ 1000	54.3	68.4	72.9	75.2	78.8	79.9	80.8	81.7	82.0	82.2	82.3	82.4	82.5	82.5	82.7	82.8
≥ 900	54.7	68.8	73.3	75.7	79.3	80.4	81.3	82.2	82.6	82.8	82.9	82.9	83.0	83.1	83.2	83.3
≥ 800	55.0	69.2	73.9	76.3	80.1	81.2	82.1	83.1	83.4	83.7	83.8	83.8	83.9	84.0	84.1	84.2
≥ 700	55.4	69.7	74.3	76.8	80.6	81.9	82.8	83.8	84.2	84.4	84.5	84.6	84.7	84.7	84.9	85.0
≥ 600	56.1	70.4	75.2	77.8	81.8	83.1	84.2	85.3	85.7	85.9	86.1	86.1	86.2	86.3	86.4	86.6
≥ 500	56.5	71.0	75.9	78.6	83.1	84.5	85.7	87.0	87.4	87.7	87.9	87.9	88.0	88.1	88.3	88.4
≥ 400	56.9	71.5	76.6	79.5	84.4	86.0	87.2	88.7	89.3	89.7	89.9	89.9	90.1	90.1	90.3	90.4
≥ 300	57.1	71.8	77.1	80.1	85.5	87.4	89.0	91.1	92.0	92.6	92.9	93.0	93.2	93.3	93.5	93.6
≥ 200	57.1	71.8	77.1	80.2	85.9	88.1	90.0	92.7	93.9	94.8	95.3	95.5	95.8	96.1	96.3	96.5
≥ 100	57.1	71.8	77.1	80.2	85.9	88.3	90.3	93.3	94.6	95.8	96.6	96.9	97.5	98.2	98.6	99.7
≥ 0	57.1	71.8	77.1	80.2	85.9	88.3	90.3	93.3	94.7	95.8	96.7	96.9	97.5	98.2	98.7	100.0

TOTAL NUMBER OF OBSERVATIONS 6873

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

STATION NAME

70-79

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

CEILING 'FEET'	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1	≥¾	≥½	≥¼	≥5/16	≥	≥0	
NO CEILING	24.9	29.6	37.5	31.9	32.7	33.2	33.4	33.9	34.2	34.2	34.2	34.3	34.3	34.3	34.3	34.3
≥ 20000	31.2	36.9	38.7	39.6	42.4	41.1	41.3	41.8	42.0	42.0	42.0	42.2	42.2	42.2	42.2	42.2
≥ 18000	31.7	37.4	38.5	40.1	40.9	41.6	41.8	42.3	42.5	42.5	42.5	42.7	42.7	42.7	42.7	42.7
≥ 16000	32.3	38.0	39.1	40.7	41.6	42.2	42.4	42.9	43.2	43.2	43.2	43.3	43.3	43.3	43.3	43.3
≥ 14000	35.4	41.7	42.8	44.4	45.4	46.3	46.2	46.9	47.1	47.1	47.1	47.2	47.2	47.2	47.2	47.2
≥ 12000	37.6	44.6	46.2	47.8	49.0	49.6	49.8	50.4	50.7	50.7	50.7	50.9	50.9	50.9	50.9	50.9
≥ 10000	42.5	50.2	51.9	53.5	54.6	55.2	55.5	56.1	56.4	56.4	56.4	56.6	56.6	56.6	56.6	56.6
≥ 9000	43.8	51.6	53.5	55.1	56.2	56.8	57.1	57.7	58.0	58.0	58.0	58.2	58.2	58.2	58.2	58.2
≥ 8000	44.8	53.5	55.5	57.3	58.7	59.3	59.6	60.2	60.4	60.4	60.4	60.7	60.7	60.7	60.7	60.7
≥ 7000	46.4	55.4	57.3	59.3	60.5	61.2	61.4	62.0	62.3	62.3	62.3	62.5	62.5	62.5	62.5	62.5
≥ 6000	47.1	56.2	58.2	60.2	61.4	62.0	62.3	62.9	63.3	63.3	63.3	63.5	63.5	63.5	63.5	63.5
≥ 5000	49.9	59.7	61.9	63.9	65.1	65.7	66.2	66.6	67.0	67.0	67.0	67.2	67.2	67.2	67.2	67.2
≥ 4500	51.8	62.5	64.7	66.7	68.2	68.9	69.2	69.8	70.2	70.2	70.2	70.4	70.4	70.4	70.4	70.4
≥ 4000	53.5	65.4	68.4	70.7	72.4	73.1	73.5	74.1	74.5	74.5	74.5	74.7	74.7	74.7	74.7	74.7
≥ 3500	54.9	66.8	70.3	72.3	74.0	74.7	75.1	75.7	76.1	76.1	76.1	76.3	76.3	76.3	76.3	76.3
≥ 3000	56.5	68.6	71.8	74.3	76.2	76.9	77.6	78.4	78.8	78.8	78.8	79.0	79.0	79.0	79.0	79.0
≥ 2500	58.4	71.4	74.6	76.9	79.2	79.9	80.5	81.4	81.8	81.8	81.8	82.0	82.0	82.0	82.0	82.0
≥ 2000	59.8	73.5	76.7	79.2	81.4	82.1	82.7	83.6	84.0	84.0	84.0	84.2	84.2	84.2	84.2	84.2
≥ 1800	59.8	73.6	76.8	79.3	81.5	82.2	82.9	83.7	84.1	84.1	84.1	84.3	84.3	84.3	84.3	84.3
≥ 1500	60.9	75.2	78.5	81.0	83.4	84.2	84.8	85.7	86.1	86.1	86.1	86.3	86.3	86.3	86.3	86.3
≥ 1200	61.5	76.2	79.5	82.0	84.6	85.5	86.1	86.9	87.3	87.3	87.3	87.5	87.5	87.5	87.5	87.5
≥ 1000	61.9	77.2	80.8	83.6	86.2	87.1	87.7	88.5	88.9	88.9	88.9	89.1	89.1	89.1	89.1	89.1
≥ 900	62.0	77.3	80.9	83.7	86.3	87.2	87.8	88.7	89.0	89.0	89.0	89.3	89.3	89.3	89.3	89.3
≥ 800	62.1	76.1	82.0	84.8	87.4	88.3	88.9	89.8	90.1	90.1	90.1	90.4	90.4	90.4	90.4	90.4
≥ 700	62.1	76.1	82.1	85.0	87.5	88.4	89.0	89.9	90.3	90.3	90.3	90.5	90.5	90.5	90.5	90.5
≥ 600	62.1	78.2	82.5	85.5	88.5	89.4	90.1	91.0	91.4	91.4	91.4	91.6	91.6	91.6	91.6	91.6
≥ 500	62.4	78.4	82.7	85.7	89.5	90.8	91.6	92.7	93.2	93.2	93.2	93.5	93.5	93.5	93.5	93.5
≥ 400	62.5	78.5	83.5	86.1	90.6	91.9	92.8	94.2	94.7	94.9	94.9	95.2	95.2	95.2	95.2	95.2
≥ 300	62.9	79.5	83.5	86.7	91.6	93.1	94.7	96.3	96.9	97.4	97.4	97.7	97.7	97.7	97.7	97.7
≥ 200	63.3	79.4	83.8	87.1	92.1	93.7	95.4	97.4	98.0	99.0	99.0	99.3	99.3	99.3	99.3	99.3
≥ 100	63.3	79.4	83.8	87.1	92.1	93.7	95.4	97.4	98.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6
≥ 0	63.3	79.4	83.8	87.1	92.1	93.7	95.4	97.4	98.2	99.4	99.4	99.6	99.6	99.6	99.6	99.6

TOTAL NUMBER OF OBSERVATIONS 811

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

344 2
STATION

MISAWA AB JP

STATION NAME

76-79

YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-2500
HOURS LST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	23.9	26.7	27.4	28.1	28.5	28.8	29.4	30.1	30.2	30.2	30.4	30.4	30.4	30.6	30.7	30.7
≥ 20000	31.0	35.7	36.4	37.0	37.6	37.8	38.5	39.2	39.4	39.4	39.5	39.5	39.5	39.8	39.9	39.9
≥ 18000	31.1	35.8	36.5	37.1	37.7	38.3	38.6	39.3	39.5	39.5	39.7	39.7	39.7	39.9	40.0	40.0
≥ 16000	31.4	36.2	36.9	37.5	38.1	38.3	38.9	39.7	39.9	39.9	40.0	40.0	40.0	40.3	40.4	40.4
≥ 14000	33.5	38.6	39.4	40.0	40.6	40.9	41.5	42.2	42.6	42.6	42.7	42.7	42.7	42.9	43.0	43.0
≥ 12000	35.7	41.7	42.9	43.5	44.3	44.6	45.2	45.9	46.3	46.3	46.4	46.4	46.4	46.7	46.8	46.8
≥ 10000	40.5	46.8	48.0	48.7	49.5	49.8	50.4	51.1	51.5	51.5	51.6	51.6	51.6	51.9	52.0	52.0
≥ 9000	41.2	48.1	49.3	50.1	50.8	51.1	51.8	52.5	52.8	52.8	53.0	53.0	53.0	53.2	53.3	53.3
≥ 8000	42.9	50.4	51.6	52.6	53.6	53.9	54.5	55.3	55.7	55.9	56.0	56.0	56.0	56.2	56.3	56.3
≥ 7000	44.4	52.1	53.3	54.3	55.3	55.6	56.2	57.0	57.4	57.6	57.7	57.7	57.7	57.9	58.0	58.0
≥ 6000	44.9	53.3	54.5	55.5	56.5	56.8	57.4	58.2	58.6	58.8	58.9	58.9	58.9	59.1	59.3	59.3
≥ 5000	49.0	58.7	59.3	60.2	61.2	61.5	62.3	63.1	63.6	63.7	63.8	63.8	63.8	64.1	64.2	64.2
≥ 4500	49.7	60.0	61.2	62.2	63.2	64.3	64.7	65.5	66.0	66.1	66.3	66.3	66.3	66.5	66.6	66.6
≥ 4000	53.4	64.6	66.1	67.2	68.6	69.4	70.5	71.3	71.8	71.9	72.1	72.1	72.1	72.5	72.5	72.4
≥ 3500	54.9	66.3	67.8	68.9	70.5	71.3	72.4	73.3	73.8	73.9	74.0	74.0	74.0	74.2	74.4	74.4
≥ 3000	57.8	69.8	71.7	72.8	74.7	75.7	77.0	77.9	78.4	78.5	78.6	78.6	78.6	78.8	79.2	79.2
≥ 2500	59.7	72.7	74.6	75.7	77.9	78.8	80.2	81.0	81.5	81.6	81.7	81.7	81.7	82.0	82.1	82.1
≥ 2000	61.4	75.2	77.3	78.4	80.5	81.5	82.8	83.7	84.2	84.3	84.4	84.4	84.4	84.6	84.8	84.8
≥ 1800	61.8	75.6	77.6	78.7	81.0	82.0	83.3	84.2	84.6	84.8	84.9	84.9	84.9	85.1	85.2	85.2
≥ 1500	62.3	76.7	78.7	79.9	82.3	83.3	84.6	85.5	86.0	86.1	86.2	86.2	86.2	86.5	86.6	86.6
≥ 1200	62.9	77.4	79.4	80.7	83.1	84.0	85.4	86.2	86.7	86.8	86.9	86.9	86.9	87.2	87.3	87.3
≥ 1000	63.6	78.4	80.8	82.1	84.8	85.7	87.1	87.9	88.4	88.5	88.6	88.6	88.6	88.9	89.0	89.0
≥ 900	63.7	78.5	80.9	82.2	84.9	85.9	87.2	88.0	88.5	88.6	88.8	88.8	88.8	89.0	89.1	89.1
≥ 800	64.0	79.0	81.4	82.7	86.1	87.1	88.4	89.2	89.8	90.0	90.1	90.1	90.1	90.3	90.4	90.4
≥ 700	64.0	79.0	81.4	82.7	86.3	87.3	88.8	89.7	90.3	90.4	90.6	90.6	90.6	90.8	90.9	90.9
≥ 600	64.0	79.1	81.5	83.0	86.9	88.3	90.0	91.2	91.8	91.9	92.0	92.0	92.0	92.3	92.4	92.4
≥ 500	64.1	79.2	81.7	83.3	87.7	89.2	91.2	92.9	93.6	93.7	93.8	93.8	93.8	94.1	94.2	94.2
≥ 400	64.2	79.3	82.0	83.7	88.4	90.0	92.1	94.2	94.9	95.0	95.2	95.2	95.2	95.4	95.5	95.5
≥ 300	64.4	79.6	82.2	83.9	89.4	90.9	93.5	96.1	97.1	97.3	97.5	97.5	97.5	97.7	97.8	97.8
≥ 200	64.4	79.6	82.3	84.0	90.0	91.8	94.3	97.0	98.1	98.3	98.4	98.4	98.4	98.7	98.8	98.8
≥ 100	64.4	79.6	82.3	84.0	90.1	92.0	94.6	97.3	98.4	98.8	99.2	99.2	99.2	99.4	99.9	99.9
≥ 0	64.4	79.6	82.3	84.0	90.1	92.0	94.6	97.3	98.4	98.8	99.2	99.2	99.2	99.4	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 827

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AFR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISAWA AB JP

YEARS 70-79

MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-2000
HOURS (LT)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	23.9	25.9	26.5	26.4	26.8	26.8	27.2	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3	27.3
≥ 20000	32.7	37.1	37.3	37.7	38.1	38.3	38.6	38.7	39.7	38.7	39.7	38.7	38.7	38.7	38.7	38.7
≥ 18000	33.9	37.7	38.5	38.4	38.9	39.0	39.4	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5	39.5
≥ 16000	33.9	39.5	39.5	39.8	40.4	40.6	42.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 14000	37.7	43.3	43.8	44.2	44.8	44.9	45.2	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4	45.4
≥ 12000	41.3	47.8	48.4	48.7	49.3	49.5	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 10000	44.9	51.9	52.5	52.8	53.4	53.7	54.0	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3	54.3
≥ 9000	46.3	53.8	54.5	54.9	55.5	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 8000	49.2	57.3	58.2	59.0	59.7	60.2	60.6	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0
≥ 7000	50.4	59.1	60.0	61.0	62.0	62.5	62.9	63.2	63.2	63.2	63.3	63.3	63.3	63.3	63.3	63.3
≥ 6000	51.4	60.5	61.5	62.6	63.5	64.0	64.5	64.7	64.7	64.7	64.9	64.9	64.9	64.9	64.9	64.9
≥ 5000	54.5	65.1	66.2	67.4	68.4	68.8	69.3	69.6	69.6	69.6	69.8	69.8	69.8	69.8	69.8	69.8
≥ 4500	56.4	68.5	69.2	70.4	71.4	71.8	72.3	72.6	72.6	72.7	72.9	72.9	72.9	72.9	72.9	72.9
≥ 4000	58.8	70.6	72.7	73.2	74.4	74.8	75.3	75.6	75.6	75.7	75.9	75.9	75.9	75.9	75.9	75.9
≥ 3500	59.8	72.1	73.6	74.8	75.1	76.5	77.3	77.3	77.3	77.4	77.6	77.6	77.6	77.6	77.6	77.6
≥ 3000	62.7	75.6	77.1	78.3	79.8	80.3	80.7	81.0	81.0	81.1	81.3	81.3	81.3	81.3	81.3	81.3
≥ 2500	64.4	77.7	79.5	80.7	82.4	83.0	83.5	83.8	83.8	83.9	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2000	65.1	78.6	80.4	81.6	83.3	84.0	84.5	84.7	84.7	84.8	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1800	65.3	78.9	80.7	81.9	83.6	84.4	84.8	85.1	85.1	85.2	85.4	85.4	85.4	85.4	85.4	85.4
≥ 1500	66.2	80.4	82.2	83.5	85.3	86.2	86.6	86.9	86.9	87.0	87.2	87.2	87.2	87.2	87.2	87.2
≥ 1200	66.7	80.9	82.7	84.0	85.8	86.6	87.1	87.4	87.5	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 1000	67.4	81.8	83.8	85.2	87.2	88.2	88.8	89.0	89.2	89.3	89.5	89.5	89.5	89.5	89.5	89.5
≥ 900	67.6	82.1	84.0	85.4	87.5	88.4	89.0	89.3	89.4	89.5	89.8	89.8	89.8	89.8	89.8	89.8
≥ 800	67.9	82.4	84.6	86.0	88.2	89.2	89.9	90.4	90.5	90.6	90.9	90.9	90.9	90.9	90.9	90.9
≥ 700	68.5	83.2	85.4	86.9	89.7	90.6	91.3	92.3	92.4	92.5	92.8	92.8	92.8	92.8	92.8	92.8
≥ 600	68.6	83.3	85.7	87.1	90.0	91.0	91.7	92.9	93.1	93.3	93.6	93.6	93.6	93.6	93.6	93.6
≥ 500	68.6	83.3	85.8	87.5	90.6	91.7	92.4	94.1	94.5	94.6	95.1	95.1	95.1	95.1	95.1	95.1
≥ 400	68.7	83.5	86.3	88.1	91.6	92.9	93.7	95.5	96.1	96.5	97.0	97.0	97.0	97.0	97.0	97.0
≥ 300	68.7	83.5	86.3	88.1	91.8	93.3	94.2	96.4	97.4	97.8	98.4	98.4	98.4	98.4	98.4	98.4
≥ 200	68.7	83.5	86.3	88.1	92.1	93.7	94.7	97.2	98.3	98.8	99.5	99.5	99.5	99.5	99.5	99.5
≥ 100	68.7	83.5	86.3	88.1	92.1	93.7	94.7	97.2	98.3	98.9	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	68.7	83.5	86.3	88.1	92.1	93.7	94.7	97.2	98.3	98.9	99.8	99.8	99.8	99.8	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 831

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

404 MISAWA AB JP

70-79

SEP

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

119.0-1100
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥.1	≥0
NO CEILING	26.4	27.6	28.4	28.5	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1	29.1
≥ 20000	36.5	40.3	40.5	40.7	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3
≥ 18000	37.1	40.9	41.5	41.7	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3	42.3
IV 16000	38.9	43.3	44.7	44.1	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7	44.7
≥ 14000	40.5	45.4	46.3	46.5	47.1	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
IV 12000	44.8	50.4	51.3	51.8	52.4	52.5	52.5	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
IV 10000	47.5	53.4	54.3	54.8	55.5	55.6	55.6	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8
IV 9000	48.9	55.4	56.4	56.9	57.6	57.7	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8
IV 8000	52.2	59.7	60.8	61.3	62.0	62.1	62.1	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
IV 7000	52.9	60.7	61.8	62.3	63.0	63.1	63.1	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
IV 6000	53.6	61.9	63.1	63.5	64.2	64.3	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
IV 5000	56.3	65.5	66.7	67.2	68.1	68.3	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
IV 4500	57.7	67.3	68.8	69.4	70.6	70.7	70.8	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
IV 4000	58.8	68.9	70.4	71.3	72.4	72.5	72.7	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
IV 3500	59.6	70.3	71.9	72.6	73.9	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3000	62.4	74.6	76.3	77.2	78.7	78.8	79.1	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
IV 2500	64.1	77.0	78.8	79.7	81.3	81.5	81.7	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9	81.9
IV 2000	67.1	80.6	82.6	83.4	85.0	85.2	85.5	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
IV 1800	67.1	80.6	82.7	83.5	85.1	85.3	85.6	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
IV 1500	68.0	82.3	84.4	85.2	86.8	87.0	87.3	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
IV 1200	69.4	82.6	84.9	85.7	87.3	87.5	87.7	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
IV 1000	69.9	83.3	85.6	86.5	88.1	88.3	88.7	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9	88.9
IV 900	69.0	83.4	85.7	86.6	88.3	88.6	88.9	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
IV 800	69.1	83.7	86.2	87.5	89.1	89.3	89.8	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
IV 700	69.6	84.3	87.1	88.7	90.5	90.7	91.3	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
IV 600	70.2	85.0	88.2	90.3	92.4	92.7	93.4	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
IV 500	70.4	85.2	88.6	90.7	93.1	93.8	94.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
IV 400	70.6	85.3	88.8	91.1	93.8	94.7	95.7	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 300	70.6	85.5	89.1	91.5	94.7	95.7	96.8	98.3	98.7	99.5	99.6	99.6	99.6	99.6	99.6	99.6
IV 200	70.6	85.5	89.1	91.5	94.7	95.7	96.9	98.4	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	70.6	85.5	89.1	91.5	94.7	95.7	96.9	98.4	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	70.6	85.5	89.1	91.5	94.7	95.7	96.9	98.4	99.0	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 832

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISANA AB JP

YEARS 70-79

MONTH SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (EST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	23.9	24.9	24.9	25.2	25.5	25.5	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6	25.6
≥ 2000	37.3	41.6	41.9	42.4	42.8	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 18000	38.5	43.2	43.5	44.0	44.5	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 16000	39.6	45.1	45.5	46.0	46.5	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 14000	42.4	48.0	48.5	48.9	49.4	49.4	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 12000	45.2	52.7	53.2	53.6	54.1	54.1	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4	54.4
≥ 10000	48.4	54.9	55.6	56.1	56.6	56.6	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8	56.8
≥ 9000	49.4	56.8	57.3	58.0	58.5	58.5	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7
≥ 8000	51.8	59.8	60.3	61.2	61.6	61.6	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000	53.3	61.6	62.5	63.2	63.6	63.6	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 6000	54.1	62.2	63.1	63.8	64.2	64.2	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 5000	56.4	66.1	67.1	67.9	68.5	68.5	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 4500	57.3	67.6	68.7	69.5	70.1	70.1	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 4000	58.6	69.4	70.6	71.4	72.0	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 3500	59.8	71.4	72.9	73.9	74.7	74.8	75.1	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 3000	62.6	75.6	77.4	78.4	79.2	79.4	79.8	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
≥ 2500	65.2	78.6	80.4	81.3	82.2	82.5	82.8	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 2000	68.2	82.0	83.8	84.7	85.6	85.9	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1800	68.4	82.2	84.0	84.9	85.9	86.1	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 1500	69.1	84.1	85.9	86.8	87.9	88.1	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 1200	69.8	85.1	86.8	87.8	89.1	89.3	89.9	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 1000	70.1	85.6	87.5	88.6	90.0	90.0	90.8	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
≥ 900	70.2	85.8	87.6	88.7	90.1	90.6	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 800	70.4	86.2	87.9	89.1	90.6	91.3	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 700	70.6	86.2	88.1	89.3	90.8	91.5	92.2	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 600	71.3	87.1	89.1	90.7	92.4	93.3	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥ 500	71.4	87.2	89.2	91.2	93.4	94.6	95.4	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 400	71.6	87.4	89.5	91.8	94.4	95.6	96.8	97.4	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5
≥ 300	71.5	87.4	89.5	91.8	94.5	95.6	97.2	97.9	98.2	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 200	71.6	87.4	89.6	91.9	94.7	96.1	97.8	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 100	71.6	87.4	89.6	91.9	94.7	96.1	97.8	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 0	71.6	87.4	89.6	91.9	94.7	96.1	97.8	99.1	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 850

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

144
STATION

MISAWA AB JP

STATION NAME

70-79

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
LOCAL TIME

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	23.6	24.9	25.5	25.6	25.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2	26.2
≥20000	35.6	45.5	41.3	41.7	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥18000	36.7	42.1	43.1	43.4	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8	43.8
≥16000	38.2	44.1	45.1	45.6	45.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0	46.0
≥14000	40.5	47.3	48.4	49.1	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥12000	43.3	50.6	51.9	52.7	53.1	53.1	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥10000	45.3	53.8	54.9	55.8	56.1	56.1	56.1	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥9000	47.1	55.3	56.7	57.5	57.9	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥8000	49.6	58.2	60.2	61.1	61.6	61.6	61.7	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥7000	51.3	60.2	62.2	63.1	63.6	63.6	63.7	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥6000	52.2	61.4	63.6	64.5	65.1	65.1	65.2	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
≥5000	55.3	65.5	68.1	69.2	69.8	69.8	70.0	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2	70.2
≥4500	55.9	66.4	68.9	70.3	70.8	70.8	70.9	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥4000	57.9	69.3	71.9	73.1	74.3	74.4	74.5	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥3500	59.3	71.8	74.6	75.9	77.1	77.2	77.4	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
≥3000	61.6	75.6	78.3	79.6	81.0	81.1	81.4	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥2500	64.3	78.7	81.5	82.9	84.5	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥2000	65.5	81.0	83.8	85.2	86.8	87.0	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥1800	65.9	81.3	83.8	85.2	86.8	87.0	87.3	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥1500	65.9	81.5	84.3	85.8	87.5	87.7	88.1	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥1200	66.8	82.2	85.7	86.5	88.2	88.4	88.8	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥1000	67.3	83.2	86.0	87.5	89.4	89.6	90.1	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥900	67.9	83.8	86.7	88.2	90.1	90.3	90.8	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥800	68.1	84.1	87.1	88.6	90.8	91.0	91.5	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥700	68.3	84.3	87.3	88.8	91.4	91.6	92.1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
≥600	68.8	84.9	88.1	89.6	92.3	92.5	93.2	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥500	69.2	85.2	88.6	90.2	93.6	94.1	95.0	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥400	69.2	85.2	88.6	90.6	94.3	94.9	95.9	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥300	69.3	85.3	88.7	91.0	94.9	95.6	96.7	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥200	69.3	85.3	88.8	91.2	95.1	95.8	97.0	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	69.3	85.3	88.8	91.2	95.1	95.8	97.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥0	69.3	85.3	88.8	91.2	95.1	95.8	97.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 659

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
-24 2

WISA AB JP

73-79

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-2000
1900-19

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	24.5	27.4	28.1	28.3	28.7	28.9	29.2	29.3	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000	35.1	39.7	40.8	41.2	41.9	42.2	42.4	42.5	42.5	42.5	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	35.7	40.3	41.2	41.8	42.5	42.7	43.0	43.1	43.1	43.1	43.2	43.2	43.2	43.2	43.2	43.2
IV 16000	36.5	41.6	42.5	43.1	43.8	44.0	44.3	44.4	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5
≥ 14000	37.9	43.9	45.0	45.6	46.3	46.5	46.7	46.8	46.8	46.8	47.0	47.0	47.0	47.0	47.0	47.0
IV 12000	41.2	48.4	49.5	50.1	50.8	51.2	51.5	51.8	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
IV 10000	44.1	52.2	53.4	54.0	55.0	55.4	55.7	56.0	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1
IV 9000	45.0	53.4	54.5	55.3	56.4	56.8	57.1	57.4	57.4	57.4	57.5	57.5	57.5	57.5	57.5	57.5
IV 8000	47.9	56.7	58.5	59.4	60.7	61.0	61.6	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
IV 7000	49.6	58.6	60.9	61.7	63.3	63.9	64.5	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9
IV 6000	50.2	59.5	61.9	62.8	64.4	65.0	65.6	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9
IV 5000	53.0	63.3	65.8	66.9	68.6	69.2	69.8	70.1	70.1	70.1	70.3	70.3	70.3	70.3	70.3	70.3
IV 4500	53.5	64.4	67.0	68.0	69.8	70.4	71.0	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4	71.4
IV 4000	55.3	66.1	70.7	71.8	74.0	74.9	75.6	76.0	76.0	76.0	76.1	76.1	76.1	76.1	76.1	76.1
IV 3500	58.3	71.1	73.8	75.1	77.3	78.3	79.3	79.4	79.4	79.4	79.5	79.5	79.5	79.5	79.5	79.5
IV 3000	60.2	74.1	76.8	78.1	80.3	81.4	82.1	82.4	82.4	82.4	82.5	82.6	82.6	82.6	82.6	82.6
IV 2500	61.5	75.5	78.3	79.6	81.9	82.9	83.6	84.0	84.0	84.0	84.1	84.1	84.1	84.1	84.1	84.1
IV 2000	62.6	77.2	80.3	81.6	83.8	84.9	85.6	85.9	85.9	85.9	86.1	86.1	86.1	86.1	86.1	86.1
IV 1800	63.0	77.4	80.6	81.9	84.1	85.1	85.8	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3
IV 1500	63.7	78.7	81.9	83.1	85.6	86.7	87.4	87.7	87.7	87.7	87.8	87.8	87.8	87.8	87.8	87.8
IV 1200	64.1	79.3	82.4	83.7	86.3	87.4	88.1	88.4	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
IV 1000	64.8	80.2	83.6	84.9	87.6	88.6	89.5	89.9	89.9	89.9	90.0	90.0	90.0	90.0	90.0	90.0
IV 900	64.8	80.3	83.7	85.1	87.8	88.9	89.7	90.2	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.3
IV 800	65.7	81.9	85.0	86.5	89.5	90.6	91.5	91.9	91.9	91.9	92.0	92.0	92.0	92.0	92.0	92.0
IV 700	65.9	81.9	85.4	86.9	89.8	91.0	91.8	92.3	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
IV 600	66.2	82.2	85.7	87.4	90.3	91.5	92.5	93.2	93.2	93.2	93.3	93.3	93.3	93.3	93.3	93.3
IV 500	66.4	82.6	86.2	88.1	91.5	92.6	93.8	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8
IV 400	66.6	82.8	86.5	88.5	92.4	93.7	95.0	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6
IV 300	66.6	82.8	86.5	88.6	93.2	95.1	96.5	98.5	98.7	98.8	98.9	98.9	98.9	98.9	98.9	98.9
IV 200	66.6	82.8	86.5	88.6	93.2	95.1	97.0	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	66.6	82.8	86.5	88.6	93.2	95.1	97.0	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	66.6	82.8	86.5	88.6	93.2	95.1	97.0	98.9	99.5	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 854

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

STATION NAME

75-79

YEARS

SEP

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	25.9	29.5	30.0	30.5	31.6	32.1	32.7	32.7	33.0	33.0	33.1	33.2	33.2	33.2	33.2	33.2
≥ 20000	33.2	37.6	38.2	38.8	40.3	40.8	41.4	41.4	41.6	41.6	41.7	41.8	41.8	41.8	41.8	41.8
≥ 18000	33.5	37.8	38.4	39.2	40.6	41.1	41.7	41.7	42.0	42.0	42.1	42.2	42.2	42.2	42.2	42.2
≥ 16000	34.3	38.9	39.5	40.3	41.7	42.2	42.8	42.8	43.1	43.1	43.2	43.3	43.3	43.3	43.3	43.3
≥ 14000	37.1	42.5	43.1	44.0	45.6	46.1	46.7	46.7	47.0	47.0	47.1	47.2	47.2	47.2	47.2	47.2
≥ 12000	39.9	46.8	47.6	48.8	50.5	51.3	51.8	51.8	52.1	52.1	52.2	52.3	52.3	52.3	52.3	52.3
≥ 10000	44.7	51.9	52.7	53.9	55.6	56.2	56.9	57.1	57.3	57.3	57.4	57.5	57.5	57.5	57.5	57.5
≥ 9000	45.3	53.3	54.7	55.2	56.9	57.5	58.2	58.4	58.6	58.6	58.6	58.8	58.9	58.9	58.9	58.9
≥ 8000	47.9	56.2	57.4	58.9	60.7	61.3	62.0	62.3	62.3	62.3	62.5	62.7	62.8	62.8	62.8	62.8
≥ 7000	49.5	58.3	59.5	60.9	63.0	63.6	64.4	64.6	64.6	64.6	64.8	65.0	65.1	65.1	65.1	65.1
≥ 6000	49.8	58.8	60.1	61.6	63.6	64.2	65.0	65.2	65.5	65.5	65.6	65.7	65.7	65.7	65.7	65.7
≥ 5000	52.7	62.2	63.5	65.2	67.3	67.9	68.6	68.9	69.1	69.1	69.2	69.3	69.3	69.3	69.3	69.3
≥ 4500	54.1	65.1	66.7	68.4	70.4	71.0	71.8	72.0	72.3	72.3	72.4	72.5	72.5	72.5	72.5	72.5
≥ 4000	56.7	68.2	70.5	72.2	74.6	75.2	75.9	76.4	76.6	76.6	76.8	76.9	76.9	76.9	76.9	76.9
≥ 3500	57.8	70.1	71.9	74.1	76.6	77.3	78.0	78.5	78.7	78.7	78.8	79.0	79.0	79.0	79.0	79.0
≥ 3000	59.1	72.1	74.0	76.3	78.8	79.4	80.2	80.8	81.1	81.1	81.3	81.4	81.4	81.4	81.4	81.4
≥ 2500	61.4	74.5	76.4	78.7	81.3	81.9	82.6	83.2	83.6	83.6	83.7	83.8	83.8	83.8	83.8	83.8
≥ 2000	62.7	76.2	78.1	80.4	83.1	83.7	84.4	85.0	85.4	85.4	85.5	85.6	85.6	85.6	85.6	85.6
≥ 1800	62.7	76.3	78.2	80.5	83.2	83.8	84.5	85.2	85.5	85.5	85.6	85.8	85.8	85.8	85.8	85.8
≥ 1500	63.3	77.7	79.1	81.4	84.1	84.7	85.4	86.1	86.5	86.5	86.6	86.7	86.7	86.7	86.7	86.7
≥ 1200	64.1	78.5	80.7	83.0	85.8	86.4	87.1	87.8	88.2	88.2	88.3	88.4	88.4	88.4	88.4	88.4
≥ 1000	64.5	78.8	81.1	83.5	86.4	87.0	87.7	88.4	88.8	88.8	88.9	89.1	89.1	89.1	89.1	89.1
≥ 900	64.5	78.8	81.1	83.5	86.5	87.2	88.0	88.7	89.1	89.1	89.2	89.3	89.3	89.3	89.3	89.3
≥ 800	65.2	80.3	82.8	85.2	88.2	88.9	89.7	90.4	90.8	90.8	90.9	91.0	91.0	91.0	91.0	91.0
≥ 700	65.2	80.7	83.2	85.6	88.7	89.4	90.1	90.9	91.2	91.2	91.4	91.5	91.5	91.5	91.5	91.5
≥ 600	65.2	80.8	83.3	85.9	89.1	89.8	90.5	91.2	91.6	91.6	91.7	91.8	91.8	91.8	91.8	91.8
≥ 500	65.6	81.1	83.8	86.5	90.1	90.9	91.7	92.6	92.9	92.9	93.1	93.2	93.2	93.2	93.2	93.2
≥ 400	65.7	81.4	84.2	87.0	90.9	92.1	93.3	94.8	95.1	95.1	95.3	95.4	95.4	95.4	95.4	95.4
≥ 300	65.8	81.5	84.3	87.1	91.4	93.1	94.3	96.2	96.6	96.9	97.1	97.2	97.2	97.2	97.2	97.2
≥ 200	65.3	81.6	84.4	87.3	92.0	93.8	95.4	97.6	98.2	98.4	98.7	98.8	98.8	98.8	98.8	98.8
≥ 100	65.9	81.6	84.4	87.3	92.0	93.8	95.4	97.8	98.2	98.7	99.0	99.3	99.4	99.6	99.9	99.9
0	65.9	81.6	84.4	87.3	92.0	93.8	95.4	97.8	98.2	98.7	99.0	99.3	99.4	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 322

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

64 2
STATION

MISAWA AB JP

STATION NAME

76-79

YEARS

SEP

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
LOCAL

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥0.5	≥0.3	≥0.2	≥0.1	≥0.05	≥0.01	≥0.00
NO CEILING	24.6	27.3	27.6	28.1	27.6	28.5	29.1	29.2	29.3	29.3	29.4	29.4	29.4	29.4	29.4	29.4
≥ 20000	34.1	38.7	39.3	39.9	40.6	40.8	41.1	41.3	41.3	41.3	41.4	41.4	41.4	41.4	41.5	41.5
≥ 18000	34.7	39.4	40.1	40.7	41.4	41.6	41.9	42.1	42.2	42.2	42.2	42.3	42.3	42.3	42.3	42.3
≥ 16000	35.7	40.8	41.5	42.2	42.7	43.1	43.4	43.5	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	38.2	43.9	44.7	45.4	46.1	46.3	46.6	46.8	46.9	46.9	47.0	47.0	47.0	47.1	47.1	47.1
≥ 12000	41.3	47.9	48.9	49.7	50.5	50.7	51.0	51.3	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5
≥ 10000	44.7	51.9	52.9	53.7	54.6	54.8	55.1	55.4	55.5	55.5	55.6	55.6	55.6	55.7	55.7	55.7
≥ 9000	45.9	53.5	54.6	55.4	56.2	56.5	56.8	57.1	57.2	57.2	57.3	57.3	57.3	57.3	57.4	57.4
≥ 8000	48.3	56.5	57.9	58.9	59.8	60.2	60.5	60.8	60.9	61.0	61.0	61.1	61.1	61.1	61.1	61.1
≥ 7000	49.8	58.3	59.7	60.8	61.8	62.2	62.5	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.1	63.1
≥ 6000	50.4	59.3	60.8	61.8	62.9	63.2	63.6	63.9	64.0	64.1	64.1	64.2	64.2	64.2	64.2	64.2
≥ 5000	53.4	63.2	64.5	66.0	67.2	67.5	67.9	68.2	68.4	68.4	68.4	68.5	68.5	68.5	68.5	68.5
≥ 4500	54.6	65.2	66.9	68.1	69.3	69.7	70.1	70.5	70.6	70.6	70.7	70.7	70.7	70.8	70.8	70.8
≥ 4000	56.8	68.1	70.0	71.3	72.8	73.3	73.8	74.2	74.3	74.3	74.4	74.5	74.5	74.5	74.5	74.5
≥ 3500	58.1	70.0	72.1	73.5	75.0	75.5	76.1	76.4	76.6	76.6	76.7	76.7	76.7	76.7	76.8	76.8
≥ 3000	60.4	73.3	75.5	76.9	78.6	79.2	79.7	80.2	80.3	80.3	80.4	80.5	80.5	80.5	80.5	80.5
≥ 2500	62.4	75.8	78.1	79.5	81.3	81.9	82.5	82.9	83.1	83.1	83.2	83.2	83.2	83.2	83.3	83.3
≥ 2000	64.1	78.1	80.4	81.8	83.7	84.3	84.9	85.3	85.5	85.5	85.6	85.6	85.6	85.7	85.7	85.7
≥ 1800	64.2	78.3	80.6	82.0	83.9	84.5	85.1	85.5	85.7	85.7	85.8	85.8	85.8	85.9	85.9	85.9
≥ 1500	64.9	79.5	81.9	83.4	85.4	86.0	86.6	87.0	87.2	87.2	87.3	87.3	87.3	87.4	87.4	87.4
≥ 1200	65.5	80.5	82.7	84.2	86.3	86.9	87.5	88.0	88.1	88.2	88.2	88.3	88.3	88.3	88.3	88.3
≥ 1000	66.1	81.1	83.7	85.3	87.5	88.2	88.8	89.3	89.4	89.5	89.5	89.6	89.6	89.6	89.6	89.6
≥ 900	66.2	81.3	83.9	85.5	87.7	88.4	89.1	89.5	89.7	89.7	89.7	89.8	89.8	89.9	89.9	89.9
≥ 800	66.6	81.9	84.7	86.3	88.8	89.5	90.2	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1	91.1
≥ 700	66.8	82.2	85.0	86.8	89.4	90.1	90.9	91.5	91.7	91.7	91.8	91.8	91.8	91.9	91.9	91.9
≥ 600	67.1	82.6	85.6	87.5	90.3	91.1	92.0	92.7	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1
≥ 500	67.3	82.8	85.9	87.9	91.2	92.2	93.3	94.3	94.5	94.5	94.6	94.7	94.7	94.7	94.7	94.7
≥ 400	67.4	83.0	86.2	88.4	92.1	93.2	94.5	95.9	96.2	96.3	96.4	96.5	96.5	96.5	96.5	96.5
≥ 300	67.5	83.1	86.3	88.6	92.7	94.1	95.5	97.3	97.8	98.1	98.3	98.3	98.3	98.4	98.4	98.4
≥ 200	67.6	83.2	86.4	88.7	93.0	94.5	96.1	98.1	98.8	99.2	99.4	99.4	99.4	99.5	99.5	99.5
≥ 100	67.6	83.2	86.4	88.7	93.0	94.5	96.1	98.2	98.9	99.4	99.6	99.7	99.8	99.9	99.9	99.9
≥ 0	67.6	83.2	86.4	88.7	93.0	94.5	96.1	98.2	98.9	99.4	99.6	99.7	99.8	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS: 6686

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

73-79

YEARS

3CT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

5000-0200
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥10	≥0
NO CEILING	31.8	40.9	42.2	42.7	43.7	43.9	44.3	44.6	44.6	44.6	44.5	44.6	44.6	44.6	44.7	45.0
≥ 20000	37.4	49.3	51.1	51.6	52.7	52.9	53.3	53.6	53.6	53.6	53.6	53.6	53.6	53.6	53.7	54.0
≥ 18000	37.6	49.8	51.6	52.2	53.2	53.5	53.9	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.2	54.5
≥ 16000	37.8	50.1	52.2	52.5	53.6	53.9	54.2	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.6	54.9
≥ 14000	38.4	50.7	52.7	53.2	54.2	54.5	54.9	55.2	55.2	55.2	55.2	55.2	55.2	55.2	55.3	55.6
≥ 12000	39.6	52.0	54.1	54.6	55.8	56.1	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.9	57.1
≥ 10000	41.6	55.0	57.1	57.6	59.2	59.5	59.9	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.3	60.5
≥ 9000	42.0	55.4	57.5	58.0	59.6	59.9	60.3	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.7	60.9
≥ 8000	42.4	56.3	58.6	59.1	60.7	61.0	61.6	61.8	61.8	61.8	62.0	62.0	62.0	62.0	62.1	62.4
≥ 7000	43.1	57.1	59.3	59.8	61.6	62.0	62.5	62.7	62.7	62.7	62.9	62.9	62.9	62.9	63.0	63.3
≥ 6000	44.2	58.3	60.5	61.0	62.7	63.1	63.7	63.9	63.9	63.9	64.1	64.1	64.1	64.1	64.2	64.4
≥ 5000	43.3	63.5	65.9	66.3	68.0	68.4	68.9	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.4	69.7
≥ 4500	52.4	68.0	70.2	70.8	72.5	72.9	73.5	73.7	73.7	73.7	73.9	73.9	73.9	73.9	74.0	74.2
≥ 4000	54.9	71.2	73.7	74.4	76.5	76.9	77.5	78.3	78.0	78.0	78.2	78.2	78.2	78.2	78.3	78.6
≥ 3500	57.5	74.4	76.9	77.5	79.6	80.0	80.7	81.2	81.3	81.3	81.4	81.4	81.4	81.4	81.6	81.8
≥ 3000	53.1	81.2	83.6	84.7	87.5	87.6	88.5	89.0	89.2	89.2	89.3	89.3	89.3	89.3	89.4	89.7
≥ 2500	65.9	84.2	87.1	88.4	91.4	91.9	92.5	93.1	93.2	93.2	93.3	93.3	93.3	93.3	93.5	93.7
≥ 2000	67.2	85.6	88.5	89.9	93.3	94.0	94.6	95.2	95.3	95.3	95.4	95.4	95.4	95.4	95.6	95.8
≥ 1800	67.5	85.9	88.8	90.2	93.7	94.4	95.0	95.5	95.7	95.7	95.8	95.8	95.8	95.8	95.9	96.2
≥ 1500	67.5	86.1	89.1	90.5	94.1	94.8	95.4	95.9	96.1	96.1	96.2	96.2	96.2	96.2	96.3	96.6
≥ 1200	67.5	86.3	89.3	91.0	94.9	95.6	96.2	96.7	96.9	96.9	97.0	97.0	97.0	97.0	97.1	97.4
≥ 1000	67.5	86.4	89.5	91.1	95.2	95.8	96.5	97.0	97.1	97.1	97.3	97.3	97.3	97.3	97.4	97.6
≥ 900	67.5	86.4	89.5	91.1	95.2	95.9	96.6	97.1	97.3	97.3	97.4	97.4	97.4	97.4	97.5	97.8
≥ 800	67.5	86.4	89.7	91.5	95.6	96.3	97.7	97.5	97.6	97.6	97.8	97.8	97.8	97.8	97.9	98.2
≥ 700	67.5	86.5	89.8	91.6	95.7	96.5	97.1	97.5	98.0	98.0	98.2	98.2	98.2	98.2	98.3	98.6
≥ 600	67.5	86.7	89.9	91.8	95.8	96.6	97.3	97.9	98.3	98.3	98.4	98.4	98.4	98.4	98.6	98.8
≥ 500	67.5	86.7	89.9	91.9	96.1	97.1	97.9	98.6	99.0	99.0	99.1	99.1	99.1	99.1	99.2	99.5
≥ 400	67.5	86.7	89.9	91.9	96.2	97.3	98.0	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.6
≥ 300	67.5	86.7	89.9	91.9	96.2	97.3	98.0	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.3	99.6
≥ 200	67.5	86.7	89.9	91.9	96.2	97.3	98.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	99.9
≥ 100	67.5	86.7	89.9	91.9	96.2	97.3	98.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	100.0
≥ 0	67.5	86.7	89.9	91.9	96.2	97.3	98.2	99.0	99.3	99.3	99.5	99.5	99.5	99.5	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS 765

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NO. 2 HISAWA AB JP

72-73

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

8302-0500

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥0.75	≥0.5	≥0.25	≥0.15	≥0.1	≥0
NO CEILING	39.3	47.4	48.5	49.3	50.1	50.1	51.1	51.1	50.3	50.3	50.3	50.3	50.3	50.3	50.4	50.4
≥ 20000	43.2	53.1	55.7	55.9	56.2	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0	57.1	57.1
≥ 18000	44.0	52.5	55.4	56.3	57.1	57.3	57.3	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.5	57.5
≥ 16000	44.1	54.0	55.4	56.8	57.6	57.8	57.8	57.8	57.9	57.9	57.9	57.9	57.9	57.9	58.0	58.0
≥ 14000	44.6	55.0	56.9	57.8	58.6	58.8	58.8	58.8	58.9	58.9	58.9	58.9	58.9	58.9	59.0	59.0
≥ 12000	45.4	56.1	58.0	58.9	59.8	59.9	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.1	60.1	60.1
≥ 10000	47.2	59.8	61.9	62.5	63.6	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.0	64.1	64.1	64.1
≥ 9000	48.3	60.6	62.8	63.6	64.5	64.6	64.8	64.8	64.8	64.9	64.9	64.9	64.9	64.9	65.0	65.0
≥ 8000	50.0	62.5	64.6	65.8	66.8	66.9	67.0	67.0	67.1	67.1	67.1	67.1	67.1	67.1	67.3	67.3
≥ 7000	50.3	62.8	64.9	66.0	67.0	67.1	67.3	67.3	67.4	67.4	67.4	67.4	67.4	67.4	67.5	67.5
≥ 6000	50.4	63.4	65.5	66.6	67.6	67.8	67.9	67.9	68.0	68.0	68.0	68.0	68.0	68.0	68.1	68.1
≥ 5000	55.1	68.1	70.3	71.4	72.4	72.5	72.6	72.6	72.6	72.8	72.8	72.8	72.8	72.9	72.9	72.9
≥ 4500	58.1	71.4	73.5	74.6	75.6	75.8	75.9	75.9	76.0	76.0	76.0	76.0	76.0	76.0	76.1	76.1
≥ 4000	61.3	75.9	78.1	79.5	80.9	81.0	81.3	81.5	81.6	81.6	81.6	81.6	81.6	81.6	81.8	81.8
≥ 3500	62.1	77.0	79.3	80.6	82.0	82.1	82.4	82.6	82.8	82.8	82.8	82.8	82.8	82.8	82.9	82.9
≥ 3000	66.4	82.1	84.9	86.4	87.9	88.0	88.3	88.5	88.6	88.6	88.6	88.6	88.6	88.6	88.8	88.9
≥ 2500	69.4	85.6	88.8	90.3	91.9	92.1	92.4	92.8	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.1
≥ 2000	70.0	86.3	89.5	91.4	93.9	94.1	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.1
≥ 1800	70.0	86.3	89.5	91.4	93.9	94.1	94.4	94.8	94.9	94.9	94.9	94.9	94.9	94.9	95.0	95.1
≥ 1500	70.1	86.4	89.9	91.5	94.4	94.6	94.9	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.5	95.6
≥ 1200	70.5	86.9	90.2	92.4	95.4	95.8	96.0	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.6	96.6
≥ 1000	70.5	86.9	91.0	92.8	95.8	96.1	96.4	96.8	96.9	96.9	96.9	96.9	96.9	96.9	97.0	97.1
≥ 900	70.6	86.9	91.0	92.9	95.9	96.3	96.5	96.9	97.0	97.0	97.0	97.0	97.0	97.0	97.1	97.3
≥ 800	70.6	86.9	91.0	92.9	96.1	96.6	96.9	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.5	97.6
≥ 700	70.8	87.3	91.4	93.3	96.5	97.0	97.3	97.6	97.9	97.9	97.9	97.9	97.9	97.9	98.0	98.1
≥ 600	70.8	87.3	91.4	93.3	96.5	97.1	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.3
≥ 500	70.8	87.4	91.8	93.8	97.3	98.0	98.4	98.9	99.1	99.4	99.4	99.4	99.4	99.4	99.5	99.6
≥ 400	70.8	87.4	91.8	93.8	97.3	98.0	98.4	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.8
≥ 300	70.8	87.4	91.8	93.8	97.3	98.0	98.4	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.8
≥ 200	70.8	87.4	91.8	93.8	97.3	98.0	98.4	99.0	99.3	99.5	99.5	99.5	99.5	99.5	99.6	99.8
≥ 100	70.8	87.4	91.8	93.8	97.3	98.0	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.8	100.0
≥ 0	70.8	87.4	91.8	93.8	97.3	98.0	98.5	99.1	99.4	99.6	99.6	99.6	99.6	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 800

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AID WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

STATION NAME

70-79

YEAR

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	36.8	40.8	41.7	42.1	42.4	42.4	42.4	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 20000	41.7	48.6	49.6	50.5	50.8	50.9	50.9	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	42.6	49.6	50.8	51.5	51.9	52.0	52.0	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 16000	3.3	50.5	51.6	52.3	52.8	52.9	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 14000	45.8	53.3	54.7	55.6	56.4	56.5	56.5	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7	56.7
≥ 12000	48.2	56.4	57.9	59.0	59.8	59.9	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ 10000	49.6	58.5	60.0	61.1	62.1	62.3	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 9000	49.9	59.5	61.0	62.1	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 8000	51.8	61.9	63.6	65.0	66.1	66.2	66.2	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4	66.4
≥ 7000	51.8	62.3	63.9	65.3	66.5	66.6	66.6	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7
≥ 6000	52.8	63.7	65.3	66.7	67.9	68.0	68.0	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1	68.1
≥ 5000	57.4	69.2	70.9	72.3	73.7	73.8	73.9	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500	59.3	71.6	73.5	75.2	76.6	76.8	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 4000	63.1	75.3	76.3	77.1	78.1	78.1	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 3500	64.6	78.9	81.0	82.8	84.5	84.6	84.7	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8
≥ 3000	68.2	84.1	86.2	88.3	90.0	90.1	90.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
≥ 2500	70.5	87.0	89.6	91.9	94.0	94.2	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 2000	71.4	87.9	90.4	92.9	95.1	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1800	71.4	87.9	90.4	92.9	95.1	95.2	95.4	95.6	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1500	71.6	88.1	90.7	93.1	95.3	95.4	95.7	95.8	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0
≥ 1200	71.7	88.3	91.1	93.8	96.0	96.1	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 1000	71.7	88.3	91.2	94.2	96.4	96.6	97.0	97.1	97.2	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 900	71.8	88.4	91.5	94.4	96.7	97.0	97.3	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	72.0	88.6	91.6	94.5	96.8	97.2	97.5	97.8	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 700	72.0	88.6	91.6	94.5	97.0	97.3	97.8	98.0	98.1	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 600	72.0	88.6	91.7	94.6	97.1	97.4	97.9	98.1	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 500	72.0	88.6	91.8	94.7	97.4	97.8	98.2	98.6	98.8	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 400	72.0	88.6	91.8	94.7	97.7	98.0	98.5	98.9	99.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 300	72.0	88.6	91.8	94.7	97.7	98.0	98.5	99.1	99.3	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	72.0	88.6	91.8	94.7	97.7	98.0	98.5	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	72.0	88.6	91.8	94.7	97.7	98.0	98.5	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	72.0	88.6	91.8	94.7	97.7	98.0	98.5	99.1	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 856

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

STATION NAME

79-79

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0.1	≥0
NO CEILING	35.1	39.1	39.3	39.3	39.3	39.3	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4	39.4
≥20000	43.3	49.8	50.5	50.7	50.8	50.8	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥18000	43.9	50.5	51.2	51.4	51.5	51.5	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥16000	44.7	51.4	52.1	52.3	52.5	52.6	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8	52.8
≥14000	46.7	54.3	55.2	55.6	55.9	56.0	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2	56.2
≥12000	49.4	58.2	59.0	59.6	59.9	60.3	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2	60.2
≥10000	50.7	59.9	60.7	61.3	61.7	61.9	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2	62.2
≥9000	51.4	60.8	61.6	62.2	62.8	62.9	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥8000	52.9	63.3	64.1	64.7	65.3	65.4	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥7000	54.1	64.6	65.4	66.0	66.5	66.7	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0	67.0
≥6000	55.4	66.1	66.9	67.5	68.3	68.4	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥5000	58.6	70.3	71.2	71.8	72.7	72.8	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1	73.1
≥4500	63.9	73.4	74.3	74.9	75.7	75.8	76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3
≥4000	63.7	77.6	78.5	79.1	80.0	80.2	80.5	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9	80.9
≥3500	66.1	80.2	81.1	81.7	82.6	82.7	83.1	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
≥3000	71.1	86.6	87.6	88.1	89.1	89.2	89.6	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥2500	74.4	90.1	91.1	92.0	93.2	93.5	93.9	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2
≥2000	75.4	91.3	92.4	93.3	94.6	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥1800	75.4	91.3	92.4	93.3	94.6	95.0	95.3	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥1500	75.8	91.6	93.0	94.1	95.4	95.8	96.1	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥1200	73.9	92.0	93.2	94.4	95.7	96.0	96.4	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥1000	76.3	92.4	93.5	94.7	96.1	96.5	96.8	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥900	76.6	92.7	93.9	95.1	96.8	97.2	97.7	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥800	76.6	92.7	93.9	95.1	96.9	97.3	97.8	98.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥700	76.6	92.7	93.9	95.1	96.9	97.3	97.9	98.4	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥600	76.6	92.7	94.0	95.2	97.2	97.7	98.4	98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥500	76.9	93.0	94.2	95.4	97.4	97.9	98.6	99.2	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥400	76.9	93.0	94.2	95.4	97.4	97.9	98.6	99.2	99.3	99.6	99.9	99.9	99.9	99.9	99.9	99.9
≥300	76.9	93.0	94.2	95.4	97.4	97.9	98.6	99.2	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥200	76.9	93.0	94.2	95.4	97.4	97.9	98.6	99.2	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥100	76.9	93.0	94.2	95.4	97.4	97.9	98.6	99.2	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥0	76.9	93.0	94.2	95.4	97.4	97.9	98.6	99.2	99.3	99.8	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 852

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444.2
STATION

HISAWA AB JP

STATION NAME

70-79

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥4	≥0
NO CEILING	31.9	34.7	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 20000	41.5	47.7	47.9	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
≥ 18000	41.9	48.2	48.5	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 16000	43.2	49.6	49.8	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1	50.1
≥ 14000	45.3	52.1	52.3	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6	52.6
≥ 12000	47.6	55.1	55.4	55.7	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 10000	49.6	57.1	57.4	57.8	58.1	58.3	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5	58.5
≥ 9000	50.1	57.5	58.0	58.3	58.7	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0	59.0
≥ 8000	51.9	59.6	60.0	60.5	60.8	61.1	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 7000	52.3	61.5	61.7	61.4	61.7	62.0	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 6000	53.5	62.1	62.5	63.1	63.6	63.8	64.1	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 5000	55.3	65.8	66.5	67.1	67.5	67.8	68.2	68.3	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
≥ 4500	57.5	69.1	70.0	70.7	71.2	71.4	71.9	72.0	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1
≥ 4000	60.8	73.8	74.7	75.4	75.8	76.2	76.6	76.7	76.8	76.8	76.8	76.8	76.8	76.8	76.8	76.8
≥ 3500	64.4	79.0	79.9	80.6	81.0	81.4	81.8	82.0	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 3000	70.7	86.7	87.6	88.3	88.8	89.2	89.7	89.8	89.9	89.9	89.9	89.9	89.9	89.9	89.9	89.9
≥ 2500	74.3	90.7	91.6	92.3	92.8	93.3	93.8	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 2000	75.6	92.1	93.1	93.8	94.3	94.8	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1800	75.6	92.1	93.1	93.8	94.3	94.8	95.2	95.3	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.5
≥ 1500	76.4	92.8	94.1	94.8	95.3	95.8	96.3	96.4	96.5	96.5	96.5	96.5	96.5	96.5	96.5	96.5
≥ 1200	77.0	93.6	95.0	95.7	96.3	96.7	97.2	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 1000	77.0	93.8	95.1	95.8	96.4	96.8	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 900	77.0	93.8	95.1	95.8	96.4	96.8	97.4	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 800	77.2	94.0	95.3	96.1	96.8	97.3	98.2	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 700	77.2	94.0	95.5	96.3	97.2	97.6	98.3	98.5	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 600	77.2	94.1	95.6	96.5	97.7	98.2	98.9	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	77.2	94.2	95.7	96.7	98.0	98.5	99.2	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400	77.2	94.2	95.7	96.7	98.0	98.5	99.2	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 300	77.2	94.2	95.7	96.7	98.0	98.5	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	77.2	94.2	95.7	96.7	98.0	98.5	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	77.2	94.2	95.7	96.7	98.0	98.5	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	77.2	94.2	95.7	96.7	98.0	98.5	99.2	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 881

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

446 2 STATION MISAWA AB JP

70-79 YEARS

OCT MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (EST)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.3	≥.2	≥.16	≥.1	≥0
NO CEILING	34.2	37.9	37.9	37.9	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥20000	43.2	49.4	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥18000	43.8	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
≥16000	44.5	51.2	51.4	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
≥14000	46.5	53.3	53.6	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥12000	49.1	56.8	57.3	57.3	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5	57.5
≥10000	50.6	58.7	59.1	59.3	59.8	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥9000	51.1	59.6	60.2	60.3	60.9	61.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥8000	53.7	62.5	63.1	63.5	64.1	64.2	64.2	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥7000	54.4	63.5	64.3	64.8	65.4	65.5	65.5	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥6000	55.7	65.7	65.8	66.3	66.9	67.0	67.0	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥5000	60.3	71.2	72.3	72.7	73.3	73.4	73.4	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
≥4500	62.8	75.3	76.3	76.9	77.4	77.8	77.8	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1
≥4000	65.6	79.7	80.8	81.5	82.2	82.6	82.6	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
≥3500	68.2	83.2	84.2	84.9	85.7	86.4	86.4	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥3000	72.2	88.5	89.8	90.4	91.7	92.5	92.5	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥2500	74.3	90.7	92.2	93.0	94.2	95.1	95.1	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥2000	75.3	91.6	92.9	93.7	94.9	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥1800	75.3	91.6	92.9	93.7	94.9	95.7	95.7	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥1500	75.7	92.4	93.7	94.5	95.7	96.5	96.5	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥1200	76.5	93.2	94.5	95.3	96.7	97.5	97.5	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥1000	76.6	93.4	94.7	95.5	96.9	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥900	76.6	93.4	94.7	95.5	96.9	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥800	76.8	93.6	94.9	95.7	97.2	98.0	98.0	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥700	76.8	93.6	94.9	95.7	97.4	98.2	98.2	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥600	76.9	93.7	95.1	96.0	97.7	98.5	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥500	77.0	93.8	95.2	96.1	98.0	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥400	77.0	93.8	95.2	96.1	98.0	98.8	98.8	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥300	77.0	93.8	95.2	96.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥200	77.0	93.8	95.2	96.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥100	77.0	93.8	95.2	96.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥0	77.0	93.8	95.2	96.2	98.2	99.0	99.0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 869

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4442
STATION

MISAWA AB JP
STATION NAME

70-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2500
HOURS U.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.0	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	34.7	40.3	41.6	42.1	42.4	42.4	42.6	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7	42.7
≥ 20000	41.3	49.5	51.1	52.1	52.9	52.9	53.1	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 18000	41.6	50.1	51.7	52.6	53.5	53.5	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
IV 16000	42.1	50.8	52.4	53.3	54.2	54.2	54.4	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5	54.5
IV 14000	42.6	51.7	53.3	54.3	55.1	55.1	55.3	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5	55.5
IV 12000	43.8	53.5	55.2	56.2	57.1	57.2	57.4	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6	57.6
IV 10000	46.5	56.3	58.1	59.1	60.0	60.1	60.4	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
IV 9000	46.8	56.9	58.9	59.9	60.8	61.0	61.2	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	49.5	59.8	62.4	63.4	64.6	64.7	64.9	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4
IV 7000	50.5	61.3	63.9	64.9	66.1	66.2	66.5	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
IV 6000	51.7	62.0	64.6	65.7	66.8	66.9	67.2	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6	67.6
IV 5000	55.9	67.2	69.9	70.9	72.1	72.2	72.6	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
IV 4500	59.3	71.6	74.8	75.7	76.9	77.0	77.4	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
IV 4000	61.2	74.3	77.5	79.0	80.2	80.4	80.8	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
IV 3500	63.4	77.4	80.5	82.1	83.5	83.7	84.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2	85.2
IV 3000	66.9	81.6	84.9	86.8	88.4	88.6	89.2	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
IV 2500	69.1	84.1	87.3	89.2	90.9	91.1	91.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
IV 2000	70.9	86.5	89.8	91.7	93.3	93.6	94.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1800	70.9	86.5	89.8	91.7	93.3	93.6	94.1	95.2	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
IV 1500	71.2	87.1	90.4	92.3	93.9	94.3	94.8	95.9	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1
IV 1200	71.5	87.6	91.2	93.1	95.0	95.3	95.9	97.0	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2
IV 1000	71.7	88.0	91.6	93.4	95.3	95.8	96.4	97.4	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7
IV 900	72.0	88.3	91.8	93.7	95.5	96.0	96.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 800	72.0	88.3	91.8	93.7	95.5	96.0	96.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 700	72.0	88.3	91.8	93.7	95.5	96.0	96.6	97.7	97.8	97.9	97.9	97.9	97.9	97.9	97.9	97.9
IV 600	72.1	88.4	91.9	94.0	96.0	96.8	97.5	98.6	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
IV 500	72.2	88.5	92.0	94.3	96.6	97.7	98.4	99.5	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.8
IV 400	72.2	88.5	92.0	94.3	96.6	97.9	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 300	72.2	88.5	92.0	94.3	96.6	97.9	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 200	72.2	88.5	92.0	94.3	96.6	97.9	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 100	72.2	88.5	92.0	94.3	96.6	97.9	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
IV 0	72.2	88.5	92.0	94.3	96.6	97.9	98.6	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 853

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

4442
STATION

MISAWA AB JP
STATION NAME

70-79
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 0
NO CEILING	35.2	42.7	44.7	44.6	44.9	45.6	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
≥ 20000	41.3	51.1	53.3	54.1	54.9	55.6	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9
≥ 18000	41.8	51.7	53.9	54.8	55.5	56.2	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5	56.5
≥ 16000	41.8	51.7	54.7	54.9	55.6	56.3	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6	56.6
≥ 14000	42.9	53.0	55.4	56.2	57.0	57.7	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9	57.9
≥ 12000	44.8	56.0	58.3	59.1	60.0	61.0	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 10000	46.7	58.2	60.7	61.6	62.4	63.4	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 9000	47.2	59.0	61.7	62.6	63.5	64.5	64.8	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
≥ 8000	48.8	61.0	64.0	64.9	66.0	67.0	67.2	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4	67.4
≥ 7000	48.9	61.1	64.3	65.2	66.5	67.4	67.7	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.0
≥ 6000	49.6	62.2	65.4	66.3	67.6	68.5	68.8	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
≥ 5000	53.9	67.4	70.7	71.7	73.0	74.0	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 4500	57.3	71.2	74.5	75.7	77.1	78.2	78.4	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 4000	59.3	73.9	77.4	78.5	80.0	81.1	81.3	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 3500	60.2	75.4	79.1	80.2	81.8	82.9	83.2	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 3000	64.8	80.6	84.5	86.0	88.0	89.1	89.5	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 2500	66.7	83.0	87.2	88.8	91.1	92.2	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥ 2000	68.4	84.9	89.1	90.7	93.0	94.1	94.5	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
≥ 1800	68.4	84.9	89.1	90.7	93.0	94.1	94.6	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1
≥ 1500	68.8	85.4	89.9	91.5	93.8	94.9	95.4	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1200	69.3	86.0	90.7	92.4	95.1	96.2	96.7	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 1000	69.4	86.2	91.0	92.7	95.4	96.5	97.0	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 900	69.5	86.3	91.1	92.8	95.5	96.6	97.1	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 800	69.5	86.6	91.3	93.2	95.9	97.0	97.4	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 700	69.5	86.6	91.3	93.2	96.1	97.3	97.8	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	69.5	86.6	91.3	93.2	96.2	97.4	97.9	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 500	69.5	86.7	91.6	93.4	96.5	97.7	98.2	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	69.5	86.7	91.6	93.4	96.6	97.8	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 300	69.5	86.7	91.6	93.4	96.6	97.8	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 200	69.5	86.7	91.6	93.4	96.6	97.8	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 100	69.5	86.7	91.6	93.4	96.6	97.8	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 0	69.5	86.7	91.6	93.4	96.6	97.8	98.3	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1

TOTAL NUMBER OF OBSERVATIONS 820

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

STATION NAME

70-79

YEARS

OCT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (EST.)

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	34.7	40.4	41.2	41.5	41.8	42.0	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.1	42.2	42.2
≥ 20000	41.7	49.8	51.0	51.5	52.0	52.2	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.4	52.4
≥ 18000	42.2	50.4	51.6	52.2	52.7	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.1
≥ 16000	42.8	51.1	52.4	52.9	53.4	53.6	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.9
≥ 14000	44.2	52.9	54.2	54.8	55.4	55.6	55.7	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.8	55.9
≥ 12000	46.1	55.6	56.9	57.6	58.2	58.5	58.6	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.7	58.8
≥ 10000	48.0	57.9	59.4	60.1	60.9	61.1	61.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.5
≥ 9000	48.4	58.7	60.2	60.9	61.7	62.0	62.2	62.3	62.4	62.4	62.4	62.4	62.4	62.4	62.4	62.4
≥ 8000	50.2	60.9	62.6	63.4	64.3	64.6	64.8	64.9	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.1
≥ 7000	50.8	61.7	63.4	64.2	65.2	65.4	65.7	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 6000	51.8	62.9	64.6	65.4	66.4	66.7	66.9	67.1	67.1	67.1	67.1	67.2	67.2	67.2	67.2	67.2
≥ 5000	55.8	67.9	69.7	70.6	71.6	71.9	72.1	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.5	72.5
≥ 4500	58.6	71.5	73.4	74.4	75.4	75.7	76.0	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.3	76.4
≥ 4000	61.3	75.4	77.4	78.5	79.7	80.0	80.3	80.7	80.7	80.7	80.7	80.7	80.7	80.7	80.8	80.8
≥ 3500	63.4	78.3	80.3	81.4	82.6	83.0	83.3	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.9	83.9
≥ 3000	68.0	84.0	86.2	87.4	88.9	89.4	89.7	90.1	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.3
≥ 2500	70.7	87.1	89.4	90.8	92.5	93.0	93.3	93.7	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.9
≥ 2000	71.8	88.4	90.8	92.2	94.1	94.6	94.9	95.4	95.4	95.4	95.4	95.5	95.5	95.5	95.5	95.5
≥ 1800	71.9	88.4	90.8	92.2	94.1	94.6	95.0	95.4	95.5	95.5	95.5	95.5	95.5	95.5	95.5	95.6
≥ 1500	72.3	88.9	91.4	92.6	94.8	95.3	95.7	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.3	96.3
≥ 1200	72.6	89.4	92.1	93.6	95.6	96.2	96.6	97.0	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2
≥ 1000	72.7	89.5	92.3	93.8	95.9	96.5	96.9	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.6
≥ 900	72.8	89.6	92.4	94.0	96.1	96.7	97.1	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.8
≥ 800	72.9	89.7	92.5	94.1	96.4	97.0	97.4	97.9	98.0	98.0	98.0	98.0	98.0	98.0	98.1	98.1
≥ 700	72.9	89.8	92.6	94.2	96.6	97.2	97.7	98.2	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4
≥ 600	72.9	89.8	92.7	94.4	96.8	97.5	98.3	98.5	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8
≥ 500	73.0	89.9	92.8	94.6	97.2	98.0	98.5	99.1	99.3	99.4	99.4	99.4	99.4	99.4	99.5	99.5
≥ 400	73.0	89.9	92.8	94.6	97.2	98.0	98.6	99.2	99.4	99.5	99.5	99.5	99.5	99.5	99.6	99.7
≥ 300	73.0	89.9	92.8	94.6	97.3	98.1	98.6	99.3	99.5	99.7	99.7	99.7	99.7	99.7	99.8	99.8
≥ 200	73.0	89.9	92.8	94.6	97.3	98.1	98.6	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.9	99.9
≥ 100	73.0	89.9	92.8	94.6	97.3	98.1	98.6	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.9	100.0
≥ 0	73.0	89.9	92.8	94.6	97.3	98.1	98.6	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 6696

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

WISAWA AB JF

STATION NAME

7J-79

YEARS

NOV

0000-0200
HOURS TEST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥.	≥0
NO CEILING	35.9	35.6	36.1	36.1	36.5	36.6	36.8	36.8	36.8	37.0	37.1	37.2	37.2	37.2	37.2	37.2
≥ 20000	35.2	41.2	41.7	41.7	42.1	42.2	42.4	42.8	42.8	42.9	43.1	43.2	43.2	43.2	43.2	43.2
≥ 18000	35.2	41.2	41.7	41.7	42.1	42.2	42.4	42.8	42.8	42.9	43.1	43.2	43.2	43.2	43.2	43.2
≥ 16000	35.2	41.2	41.7	41.7	42.1	42.2	42.4	42.8	42.8	42.9	43.1	43.2	43.2	43.2	43.2	43.2
≥ 14000	35.6	41.6	42.1	42.1	42.4	42.6	42.8	43.2	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.5
≥ 12000	36.0	41.9	42.4	42.4	42.8	43.1	43.3	43.7	43.7	43.8	43.9	44.0	44.0	44.0	44.0	44.0
≥ 10000	38.0	43.9	44.4	44.4	44.8	45.3	45.5	45.7	45.9	46.0	46.2	46.3	46.3	46.3	46.3	46.3
≥ 9000	38.6	45.5	46.0	46.0	46.4	46.9	47.1	47.5	47.5	47.6	47.8	47.9	47.9	47.9	47.9	47.9
≥ 8000	39.3	46.8	47.4	47.4	47.8	48.3	48.5	48.9	48.9	49.0	49.1	49.3	49.3	49.3	49.3	49.3
≥ 7000	40.6	48.3	48.6	48.6	49.0	49.5	49.8	50.1	50.1	50.2	50.4	50.5	50.5	50.5	50.5	50.5
≥ 6000	40.9	48.6	49.3	49.3	49.6	50.1	50.4	50.7	50.7	50.9	51.0	51.1	51.1	51.1	51.1	51.1
≥ 5000	46.7	55.1	55.7	55.7	56.2	56.7	56.9	57.3	57.3	57.4	57.6	57.7	57.7	57.7	57.7	57.7
≥ 4500	50.0	59.3	59.9	59.9	60.4	60.9	61.2	61.5	61.5	61.7	61.8	61.9	61.9	61.9	61.9	61.9
≥ 4000	55.1	66.3	67.7	67.7	67.6	68.1	68.5	68.9	68.9	69.3	69.1	69.2	69.2	69.2	69.2	69.2
≥ 3500	57.9	71.3	72.3	72.5	73.0	73.4	73.8	74.2	74.2	74.3	74.4	74.6	74.6	74.6	74.6	74.6
≥ 3000	63.4	78.5	79.7	79.9	80.6	81.1	81.6	82.0	82.0	82.1	82.3	82.4	82.4	82.4	82.4	82.4
≥ 2500	69.2	84.4	86.1	86.5	87.3	88.2	88.8	89.2	89.3	89.5	89.6	89.7	89.7	89.7	89.7	89.7
≥ 2000	71.7	86.8	88.7	89.5	90.3	91.4	92.1	92.4	92.6	92.7	92.8	92.9	92.9	92.9	92.9	92.9
≥ 1800	72.1	87.3	89.3	90.1	90.9	92.1	92.7	93.1	93.2	93.3	93.4	93.5	93.5	93.5	93.5	93.5
≥ 1500	73.1	88.6	90.8	91.6	92.8	94.0	94.7	95.3	95.4	95.7	95.9	96.0	96.0	96.0	96.0	96.0
≥ 1200	73.2	89.1	90.9	91.8	93.2	94.4	95.0	95.7	95.8	96.0	96.4	96.5	96.5	96.5	96.5	96.5
≥ 1000	73.2	89.1	91.2	92.1	93.4	94.7	95.3	96.0	96.2	96.4	96.8	96.9	96.9	96.9	96.9	96.9
≥ 900	73.2	89.1	91.4	92.3	93.8	95.0	95.7	96.4	96.5	96.8	97.1	97.3	97.3	97.3	97.3	97.3
≥ 800	73.2	89.1	91.4	92.3	93.8	95.0	95.7	96.4	96.5	96.8	97.1	97.4	97.4	97.4	97.4	97.4
≥ 700	73.2	89.1	91.4	92.4	94.2	95.4	96.0	96.8	96.9	97.1	97.5	97.8	97.8	97.8	97.8	97.8
≥ 600	73.2	89.1	91.4	92.6	94.4	95.8	96.5	97.3	97.4	97.6	98.0	98.3	98.3	98.3	98.3	98.3
≥ 500	73.3	89.2	91.7	92.8	94.8	96.4	97.3	98.1	98.3	98.5	98.9	99.1	99.1	99.1	99.1	99.1
≥ 400	73.4	89.5	91.9	93.1	95.4	97.0	97.9	98.6	98.9	99.1	99.5	99.8	99.8	99.8	99.8	99.8
≥ 300	73.4	89.5	92.1	93.2	95.7	97.3	98.1	99.0	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0
≥ 200	73.4	89.5	92.1	93.2	95.7	97.3	98.1	99.0	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0
≥ 100	73.4	89.5	92.1	93.2	95.7	97.3	98.1	99.0	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0
≥ 0	73.4	89.5	92.1	93.2	95.7	97.3	98.1	99.0	99.1	99.4	99.8	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 806

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2 MISAWA AB JP

7J-79

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7306-2500
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.8	≥.6	≥.5	≥.4	≥.3
NO CEILING	29.2	34.4	34.7	34.7	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.2	35.3	35.3	35.3
≥ 20000	33.7	40.8	41.1	41.3	41.6	41.6	41.6	41.8	41.8	41.8	41.8	41.9	42.0	42.0	42.0
IV 18000	33.7	40.9	41.1	41.4	41.8	41.8	41.8	41.9	41.9	41.9	41.9	42.0	42.1	42.1	42.1
IV 16000	33.7	41.0	41.3	41.5	41.9	41.9	42.0	42.1	42.1	42.1	42.1	42.3	42.4	42.4	42.4
IV 14000	33.8	41.1	41.4	41.6	42.0	42.0	42.1	42.3	42.3	42.3	42.3	42.4	42.5	42.5	42.5
IV 12000	34.7	42.1	42.4	42.6	43.7	43.7	43.7	43.1	43.3	43.3	43.3	43.4	43.5	43.5	43.5
≥ 10000	36.2	43.8	44.1	44.4	44.9	44.9	45.0	45.1	45.1	45.1	45.1	45.3	45.4	45.4	45.4
IV 9000	36.3	44.3	44.6	44.9	45.4	45.5	45.6	45.8	45.8	45.8	45.8	45.9	46.0	46.0	46.0
≥ 8000	37.9	46.0	46.4	46.6	47.1	47.3	47.4	47.5	47.5	47.5	47.5	47.6	47.8	47.8	47.8
IV 7000	38.4	46.8	47.3	47.5	48.0	48.1	48.4	48.5	48.5	48.5	48.5	48.6	48.8	48.8	48.8
IV 6000	38.7	47.6	48.3	48.6	49.1	49.3	49.5	49.6	49.6	49.6	49.6	49.8	49.9	49.9	49.9
IV 5000	43.6	53.1	53.7	54.1	54.6	54.7	55.0	55.1	55.1	55.1	55.1	55.2	55.4	55.4	55.4
IV 4500	47.9	59.4	60.0	60.7	61.2	61.3	61.6	61.7	61.7	61.7	61.7	61.8	62.0	62.0	62.0
IV 4000	53.4	65.6	66.5	67.2	67.8	68.1	68.2	68.3	68.3	68.3	68.3	68.5	68.6	68.6	68.6
IV 3500	55.2	69.0	70.0	70.7	71.3	71.6	71.8	72.2	72.2	72.2	72.2	72.3	72.4	72.4	72.4
IV 3000	51.1	76.8	78.2	78.9	79.7	80.0	80.4	80.9	80.9	80.9	81.2	81.2	81.3	81.3	81.3
IV 2500	66.1	82.0	83.7	84.9	85.9	86.3	86.7	87.2	87.2	87.2	87.3	87.5	87.7	87.7	87.7
IV 2000	68.5	84.9	86.7	88.2	89.4	89.8	90.3	90.9	91.0	91.0	91.1	91.4	91.5	91.5	91.5
IV 1800	68.8	85.7	87.4	88.9	90.3	90.6	91.1	91.9	92.0	92.0	92.1	92.4	92.5	92.5	92.5
IV 1500	69.2	86.3	88.3	89.8	91.1	91.5	92.0	93.0	93.1	93.4	93.6	93.9	94.0	94.0	94.0
IV 1200	69.6	86.7	88.7	90.1	91.5	92.4	92.9	93.9	94.0	94.3	94.5	94.8	94.9	94.9	94.9
IV 1000	69.8	86.9	88.9	90.4	91.9	92.8	93.3	94.4	94.5	94.8	95.1	95.5	95.6	95.6	95.6
IV 900	69.8	86.9	89.2	90.9	92.4	93.3	93.8	95.0	95.1	95.4	95.8	96.1	96.3	96.3	96.3
IV 800	69.8	86.9	89.2	91.0	92.5	93.4	93.9	95.1	95.3	95.5	96.0	96.4	96.5	96.5	96.5
IV 700	69.8	86.9	89.2	91.0	92.6	93.5	94.0	95.4	95.5	95.8	96.3	96.6	96.8	96.8	96.8
IV 600	69.8	86.9	89.2	91.0	93.1	94.1	94.6	96.0	96.1	96.4	96.9	97.3	97.5	97.5	97.5
IV 500	69.8	87.2	89.5	91.4	93.8	94.9	95.6	97.3	97.5	97.8	98.3	98.6	98.9	98.9	98.9
IV 400	69.8	87.2	89.5	91.4	94.0	95.3	96.0	97.6	97.9	98.1	98.6	99.0	99.3	99.3	99.3
IV 300	69.8	87.2	89.5	91.4	94.3	95.8	96.5	98.1	98.5	98.8	99.3	99.6	99.9	99.9	100.0
IV 200	69.8	87.2	89.5	91.4	94.3	95.8	96.5	98.1	98.5	98.8	99.3	99.6	99.9	99.9	100.0
IV 100	69.8	87.2	89.5	91.4	94.3	95.8	96.5	98.1	98.5	98.8	99.3	99.6	99.9	99.9	100.0
IV 0	69.8	87.2	89.5	91.4	94.3	95.8	96.5	98.1	98.5	98.8	99.3	99.6	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS

502

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION
4462

STATION NAME
MISAWA AB JP

YEARS
75-79

MONTH
NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3600-0800
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.9	≥.8	≥.7	≥.6	≥.5	≥0
NO CEILING	29.6	34.5	34.8	35.1	35.2	35.3	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 20000	35.3	40.9	41.3	41.5	41.6	41.8	41.9	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0	42.0
≥ 18000	35.2	41.2	41.5	41.8	41.9	42.0	42.1	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2	42.2
≥ 16000	36.2	42.6	43.0	43.2	43.3	43.4	43.6	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 14000	36.5	43.4	43.8	44.1	44.2	44.3	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 12000	37.9	45.0	45.3	45.6	45.7	45.8	45.9	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1	46.1
≥ 10000	40.1	47.3	47.6	47.9	48.0	48.1	48.2	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
≥ 9000	40.5	47.6	48.0	48.2	48.3	48.4	48.6	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7	48.7
≥ 8000	42.5	50.0	50.5	50.7	50.8	51.0	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
≥ 7000	43.7	51.1	51.6	51.8	51.9	52.0	52.1	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3	52.3
≥ 6000	43.9	51.4	51.9	52.1	52.3	52.4	52.5	52.6	52.7	52.7	52.7	52.7	52.7	52.7	52.7	52.7
≥ 5000	46.6	56.8	57.4	57.8	58.0	58.1	58.2	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.6
≥ 4500	52.7	62.2	62.8	63.1	63.5	63.7	64.0	64.1	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	56.8	67.8	68.7	69.2	69.6	69.8	70.0	70.2	70.4	70.4	70.4	70.4	70.4	70.4	70.4	70.4
≥ 3500	59.2	71.7	72.7	73.2	73.6	73.9	74.1	74.3	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
≥ 3000	63.8	77.8	79.1	79.6	80.5	80.9	81.4	81.7	82.0	82.0	82.0	82.0	82.0	82.0	82.0	82.0
≥ 2500	68.7	83.5	85.0	85.6	86.6	87.2	87.7	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5	88.5
≥ 2000	71.6	86.6	88.4	89.1	90.7	91.3	91.8	92.2	92.5	92.5	92.7	92.7	92.7	92.7	92.7	92.7
≥ 1800	71.6	86.9	88.7	89.4	91.2	91.9	92.4	92.8	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1500	71.3	87.1	89.1	89.9	92.0	92.7	93.2	93.7	93.9	94.0	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1200	72.4	87.7	89.7	90.5	93.0	93.8	94.3	94.9	95.1	95.5	95.7	95.7	95.7	95.7	95.7	95.7
≥ 1000	72.6	87.8	89.9	90.6	93.2	94.0	94.5	95.3	95.8	96.2	96.4	96.4	96.4	96.4	96.4	96.4
≥ 900	72.6	87.8	90.0	90.7	93.3	94.2	94.6	95.5	95.9	96.3	96.5	96.5	96.5	96.5	96.5	96.5
≥ 800	72.8	88.1	90.2	91.1	94.0	94.9	95.3	96.2	96.7	97.0	97.3	97.3	97.3	97.3	97.3	97.3
≥ 700	72.9	88.2	90.3	91.2	94.4	95.2	95.7	96.5	97.0	97.4	97.6	97.6	97.6	97.6	97.6	97.6
≥ 600	73.3	88.5	90.7	91.5	94.9	95.7	96.3	97.1	97.6	98.0	98.2	98.2	98.2	98.2	98.2	98.2
≥ 500	73.3	88.5	90.8	91.6	95.1	95.9	96.5	97.5	98.0	98.3	98.7	98.7	98.7	98.7	98.7	98.7
≥ 400	73.3	88.5	90.8	91.6	95.3	96.2	96.8	97.9	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0
≥ 300	73.3	88.5	90.8	91.6	95.5	96.3	97.0	98.3	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 200	73.3	88.5	90.8	91.6	95.5	96.3	97.0	98.3	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 100	73.3	88.5	90.8	91.6	95.5	96.3	97.0	98.3	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8
≥ 0	73.3	88.5	90.8	91.6	95.5	96.3	97.0	98.3	98.8	99.2	99.8	99.8	99.8	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 835

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

44 2 MISAWA AB JP

70-79

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

986-100

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	32.3	36.6	37.2	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4	37.4
≥ 20000	39.8	46.3	47.3	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
IV 18000	45.2	46.7	47.6	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1	48.1
IV 16000	45.3	47.7	48.7	48.3	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5	48.5
IV 14000	41.6	48.1	49.2	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
IV 12000	42.9	49.9	50.9	51.3	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4	51.4
IV 10000	44.6	52.1	53.2	53.6	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	54.0	54.0
IV 9000	45.2	52.8	53.9	54.6	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.7	54.8	54.8
IV 8000	46.7	54.8	56.1	56.9	57.0	57.0	57.0	57.0	57.1	57.1	57.1	57.1	57.1	57.2	57.2	57.2
IV 7000	47.2	55.4	56.7	57.4	57.5	57.6	57.6	57.6	57.7	57.7	57.7	57.7	57.7	57.8	57.8	57.8
IV 6000	47.6	56.0	57.6	58.3	58.4	58.4	58.4	58.4	58.5	58.5	58.5	58.5	58.5	58.6	58.6	58.6
IV 5000	50.5	59.2	60.8	61.5	61.6	61.6	61.7	61.8	62.1	62.1	62.2	62.2	62.2	62.3	62.3	62.3
IV 4500	54.4	64.4	66.0	66.8	67.3	67.3	67.1	67.3	67.5	67.5	67.6	67.6	67.6	67.6	67.7	67.7
IV 4000	57.4	69.5	71.2	72.0	72.2	72.2	72.3	72.5	72.7	72.7	72.8	72.8	72.8	72.9	72.9	72.9
IV 3500	60.8	73.9	75.5	76.4	76.8	77.0	77.1	77.2	77.4	77.5	77.8	77.8	77.8	77.9	77.9	77.9
IV 3000	64.9	79.7	81.3	82.3	82.9	83.0	83.1	83.2	83.5	83.6	83.8	83.8	83.8	83.9	83.9	83.9
IV 2500	69.4	83.6	85.7	86.6	87.6	87.7	87.8	87.9	88.2	88.3	88.5	88.5	88.5	88.7	88.7	88.7
IV 2000	73.1	85.3	87.8	88.8	89.3	90.7	90.8	91.3	91.6	91.8	92.1	92.1	92.1	92.2	92.2	92.2
IV 1800	70.2	85.7	88.1	89.0	90.5	90.9	91.0	91.3	91.8	92.2	92.4	92.4	92.4	92.6	92.6	92.6
IV 1500	70.8	86.3	88.7	89.8	91.5	92.0	92.1	92.4	93.1	93.6	93.9	94.0	94.0	94.1	94.1	94.1
IV 1200	70.9	86.4	89.9	90.1	91.7	92.3	92.6	93.0	93.7	94.2	94.6	94.7	94.7	94.8	94.8	94.8
IV 1000	71.1	86.6	89.1	90.4	92.1	92.7	92.9	93.5	94.2	94.8	95.2	95.3	95.3	95.4	95.4	95.4
IV 900	71.0	86.6	89.2	90.5	92.2	92.8	93.3	93.6	94.3	94.9	95.3	95.4	95.4	95.5	95.5	95.5
IV 800	71.0	86.3	89.5	90.8	92.4	93.1	93.6	94.3	95.3	95.6	96.1	96.2	96.5	96.6	96.6	96.6
IV 700	71.3	87.1	90.7	91.5	93.1	93.9	94.3	95.2	95.9	96.5	96.9	97.0	97.3	97.4	97.4	97.4
IV 600	71.5	87.4	90.2	91.7	93.5	94.2	94.7	95.6	96.5	97.0	97.5	97.6	97.9	98.0	98.0	98.0
IV 500	71.5	87.5	90.3	91.8	93.7	94.6	95.3	96.5	97.4	98.1	98.7	98.8	99.1	99.2	99.2	99.2
IV 400	71.5	87.3	90.3	91.8	94.0	94.8	95.7	96.9	98.0	98.7	99.3	99.4	99.6	99.8	99.8	99.8
IV 300	71.5	87.5	90.3	91.8	94.0	94.8	95.7	97.0	98.1	98.8	99.4	99.5	99.8	99.9	99.9	100.0
IV 200	71.5	87.5	90.3	91.8	94.0	94.8	95.7	97.0	98.1	98.8	99.4	99.5	99.8	99.9	99.9	100.0
IV 100	71.5	87.5	90.3	91.8	94.0	94.8	95.7	97.0	98.1	98.8	99.4	99.5	99.8	99.9	99.9	100.0
IV 0	71.5	87.5	90.3	91.8	94.0	94.8	95.7	97.0	98.1	98.8	99.4	99.5	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 546

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

STATION 442 HISA AB JP

78-79

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
LOCAL TIME

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2	≥2	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	27.4	31.4	31.9	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0	32.0
≥ 20000	34.8	40.7	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥ 18000	35.6	40.8	41.3	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4	41.4
≥ 16000	35.8	41.1	41.5	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7	41.7
≥ 14000	37.0	42.4	42.8	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 12000	38.2	44.2	44.7	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8	44.8
≥ 10000	39.4	45.9	46.3	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4	46.4
≥ 9000	40.4	47.0	47.5	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 8000	42.5	49.7	50.2	50.4	50.4	50.4	50.4	50.5	50.6	50.6	50.8	50.8	50.8	50.8	50.8	50.8
≥ 7000	43.5	50.4	50.9	51.1	51.1	51.1	51.1	51.2	51.3	51.3	51.5	51.5	51.5	51.5	51.5	51.5
≥ 6000	43.9	51.9	51.3	51.6	51.6	51.6	51.6	51.7	51.8	51.8	51.9	51.9	51.9	51.9	51.9	51.9
≥ 5000	47.1	55.1	55.5	55.8	55.8	55.8	55.8	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.1
≥ 4500	49.1	58.1	58.5	58.7	58.7	58.8	58.8	59.0	59.2	59.2	59.3	59.3	59.3	59.3	59.3	59.3
≥ 4000	53.7	65.7	65.7	65.9	66.0	66.2	66.5	67.3	67.1	67.1	67.2	67.2	67.2	67.2	67.2	67.2
≥ 3500	57.4	71.1	71.8	72.3	72.3	72.3	72.7	73.2	73.3	73.3	73.4	73.4	73.4	73.4	73.4	73.4
≥ 3000	64.3	79.6	80.3	80.5	81.2	81.3	81.7	82.4	82.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6
≥ 2500	65.8	85.3	86.3	86.2	87.6	87.9	88.2	88.9	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 2000	70.8	87.4	88.4	88.9	90.7	90.9	91.2	92.1	92.2	92.2	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	70.8	87.4	88.4	88.9	90.8	91.0	91.4	92.2	92.3	92.3	92.4	92.4	92.4	92.4	92.4	92.4
≥ 1500	71.3	88.8	90.7	90.4	92.5	93.2	93.6	94.5	94.7	95.0	95.2	95.3	95.3	95.3	95.3	95.3
≥ 1200	72.3	89.3	90.2	90.7	92.9	93.6	93.9	94.9	95.1	95.3	95.6	95.6	95.7	95.7	95.7	95.7
≥ 1000	72.2	89.4	90.5	91.0	93.3	94.0	94.4	95.3	95.7	95.9	96.1	96.1	96.3	96.3	96.3	96.3
≥ 900	72.2	89.5	90.7	91.1	93.7	94.5	94.9	95.8	96.1	96.4	96.6	96.6	96.7	96.7	96.7	96.7
≥ 800	72.3	89.6	90.9	91.4	93.9	94.7	95.1	96.0	96.6	97.0	97.2	97.2	97.3	97.3	97.3	97.3
≥ 700	72.3	89.6	90.9	91.6	94.2	95.1	95.3	96.4	97.1	97.3	97.5	97.5	97.7	97.7	97.7	97.7
≥ 600	72.3	89.6	90.9	91.7	94.4	95.2	95.6	96.6	97.4	97.8	98.0	98.0	98.2	98.2	98.2	98.2
≥ 500	72.3	89.6	90.9	91.9	94.9	95.8	96.1	97.3	98.2	98.6	98.9	98.9	99.2	99.2	99.2	99.2
≥ 400	72.3	89.6	90.9	91.9	94.9	95.8	96.1	97.4	98.4	98.7	99.2	99.2	99.4	99.4	99.4	99.4
≥ 300	72.3	89.6	90.9	91.9	94.9	95.8	96.1	97.4	98.5	98.9	99.4	99.4	99.6	99.6	99.6	99.6
≥ 200	72.3	89.6	90.9	91.9	94.9	95.8	96.1	97.4	98.5	99.1	99.5	99.5	99.8	99.8	99.8	99.8
≥ 100	72.3	89.6	90.9	91.9	94.9	95.8	96.1	97.4	98.5	99.1	99.6	99.8	100.0	100.0	100.0	100.0
≥ 0	72.3	89.6	90.9	91.9	94.9	95.8	96.1	97.4	98.5	99.1	99.6	99.8	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 957

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

444 MISAXX AS JP

7-79

NGV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING ≥ 20,000	32.4	34.6	35.1	35.2	35.4	35.4	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 18000	36.5	42.3	42.7	43.3	43.5	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.6
≥ 16000	37.2	43.7	43.9	44.0	44.2	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3	44.3
≥ 14000	37.9	43.9	44.5	44.8	45.2	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3	45.3
≥ 12000	38.9	45.1	45.7	46.0	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
≥ 10000	41.3	47.8	48.4	48.6	49.2	49.2	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3	49.3
≥ 9000	42.2	49.0	49.6	49.9	50.5	50.5	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.7
≥ 8000	44.1	50.8	51.5	52.1	52.8	52.8	52.9	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0	53.0
≥ 7000	44.6	51.5	52.2	52.8	53.5	53.5	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7	53.7
≥ 6000	45.5	52.9	53.9	54.1	54.8	54.8	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 5000	49.9	58.1	58.9	59.5	60.2	60.2	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 4500	52.3	61.1	62.4	63.1	63.7	63.7	63.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 4000	57.3	68.4	69.7	69.7	70.7	70.7	70.9	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3	71.3
≥ 3500	59.6	71.8	72.7	73.4	74.4	74.4	74.6	74.7	74.8	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 3000	64.2	77.8	79.2	79.9	81.3	81.3	81.2	81.5	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 2500	66.1	82.4	83.9	84.7	85.9	86.1	86.3	86.7	86.9	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 2000	70.3	84.5	86.2	87.3	88.8	89.2	89.4	90.1	90.4	90.6	90.7	90.7	90.7	90.7	90.7	90.7
≥ 1800	70.2	84.3	86.4	87.5	89.2	89.5	89.8	90.5	90.7	91.0	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1500	72.2	86.6	88.5	89.7	91.3	91.7	92.0	92.9	93.2	93.5	93.6	93.6	93.7	93.7	93.7	93.7
≥ 1200	72.4	86.9	88.9	90.2	92.0	92.4	93.0	93.8	94.2	94.4	94.5	94.5	94.6	94.6	94.6	94.6
≥ 1000	72.4	87.0	89.3	90.8	92.9	93.2	93.8	94.6	95.0	95.4	95.6	95.7	95.8	95.8	95.8	95.8
≥ 900	72.4	87.0	89.3	90.8	92.9	93.2	93.8	94.6	95.0	95.4	95.6	95.7	95.8	95.8	95.8	95.8
≥ 800	72.4	87.0	89.3	90.8	92.9	93.2	93.8	94.6	95.0	95.4	95.6	95.7	95.8	95.8	95.8	95.8
≥ 700	72.4	87.0	89.3	90.8	92.9	93.2	93.8	94.6	95.0	95.4	95.6	95.7	95.8	95.8	95.8	95.8
≥ 600	72.4	87.0	89.3	90.8	92.9	93.2	93.8	94.6	95.0	95.4	95.6	95.7	95.8	95.8	95.8	95.8
≥ 500	72.4	87.0	89.3	90.8	92.9	93.2	93.8	94.6	95.0	95.4	95.6	95.7	95.8	95.8	95.8	95.8
≥ 400	72.5	87.2	89.4	91.0	93.2	94.2	95.5	96.0	97.4	98.0	98.5	98.9	99.0	99.0	99.0	99.0
≥ 300	72.5	87.2	89.4	91.0	93.2	94.2	95.5	96.9	97.5	98.2	98.7	99.2	99.3	99.3	99.4	99.4
≥ 200	72.5	87.2	89.4	91.0	93.2	94.2	95.5	96.9	97.6	98.3	98.8	99.3	99.4	99.4	99.5	99.8
≥ 100	72.5	87.2	89.4	91.0	93.2	94.2	95.5	96.9	97.6	98.5	98.9	99.5	99.6	99.6	99.8	100.0
≥ 0	72.5	87.2	89.4	91.0	93.2	94.2	95.5	96.9	97.6	98.5	98.9	99.5	99.6	99.6	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 591

CLIMATE CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

144 2 MISAWA AB JP

76-79

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1830-2000

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	24	25	24	23	22	21	20	19	18	17	16	15	14	13	12
NO CEILING	31.4	36.6	38.3	38.4	40.1	40.3	40.6	41.0	41.1	41.2	41.1	41.1	41.1	41.1	41.1	41.1
≥ 20000	35.3	41.6	43.6	43.9	46.0	46.3	46.4	46.8	46.9	46.9	46.9	47.0	47.0	47.0	47.0	47.0
≥ 18000	35.5	41.8	43.8	44.2	46.2	46.3	46.7	47.0	47.1	47.1	47.1	47.3	47.3	47.3	47.3	47.3
≥ 16000	35.7	42.3	44.6	44.8	46.8	46.9	47.3	47.6	47.7	47.7	47.7	47.9	47.9	47.9	47.9	47.9
≥ 14000	36.2	42.8	44.9	45.5	47.5	47.6	48.3	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.6	48.6
≥ 12000	36.6	43.3	45.6	46.2	48.5	48.6	48.9	49.3	49.4	49.4	49.4	49.5	49.5	49.5	49.5	49.5
≥ 10000	37.3	44.8	47.3	47.6	49.9	50.0	50.4	50.7	50.8	50.8	50.8	51.0	51.0	51.0	51.0	51.0
≥ 9000	37.5	45.4	47.7	48.3	50.6	50.7	51.1	51.4	51.5	51.5	51.5	51.7	51.7	51.7	51.7	51.7
≥ 8000	39.2	47.3	49.4	50.1	52.4	52.5	52.9	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4
≥ 7000	39.3	47.5	49.9	51.0	53.2	53.4	53.6	54.2	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4
≥ 6000	40.4	48.5	50.8	51.9	54.2	54.4	54.8	55.1	55.2	55.2	55.2	55.3	55.3	55.3	55.3	55.3
≥ 5000	42.3	52.3	54.5	55.8	58.3	58.6	58.9	59.3	59.4	59.4	59.4	59.5	59.5	59.5	59.5	59.5
≥ 4500	46.9	56.9	59.6	61.2	63.9	64.0	64.4	64.7	64.8	64.8	64.8	65.0	65.0	65.0	65.0	65.0
≥ 4000	51.1	62.8	65.7	67.3	70.2	70.4	70.8	71.1	71.3	71.3	71.3	71.4	71.4	71.4	71.4	71.4
≥ 3500	55.3	66.4	69.5	71.1	74.0	74.2	74.6	75.2	75.3	75.3	75.3	75.4	75.4	75.4	75.4	75.4
≥ 3000	57.5	71.5	74.9	76.7	79.7	80.5	81.3	81.8	81.9	81.9	81.9	82.1	82.1	82.1	82.1	82.1
≥ 2500	61.9	76.7	80.2	82.1	85.6	86.6	87.1	88.0	88.2	88.4	88.4	88.5	88.5	88.5	88.5	88.5
≥ 2000	64.7	79.9	83.7	85.6	89.5	90.6	91.1	92.3	92.6	92.6	92.6	92.8	92.9	92.9	92.9	92.9
≥ 1800	64.8	80.1	83.8	85.7	89.7	90.7	91.2	92.5	92.9	93.0	93.0	93.1	93.1	93.1	93.1	93.1
≥ 1500	65.3	81.1	85.1	87.1	91.2	92.3	92.8	94.2	94.6	94.9	95.0	95.1	95.1	95.1	95.1	95.1
≥ 1200	66.2	81.5	85.5	87.5	91.9	93.0	93.5	95.0	95.6	95.7	95.8	96.0	96.0	96.0	96.0	96.0
≥ 1000	66.2	81.5	85.5	87.9	92.6	93.9	94.5	96.1	96.7	96.8	97.0	97.1	97.3	97.3	97.3	97.3
≥ 900	66.2	81.5	85.5	87.9	92.8	94.1	94.7	96.2	96.8	96.9	97.1	97.3	97.4	97.4	97.4	97.4
≥ 800	66.2	81.5	85.5	87.9	92.8	94.1	94.7	96.2	96.9	97.0	97.3	97.4	97.5	97.5	97.5	97.5
≥ 700	66.2	81.5	85.5	87.9	92.8	94.1	94.7	96.2	96.9	97.0	97.3	97.4	97.5	97.5	97.5	97.5
≥ 600	66.2	81.5	85.5	87.9	92.8	94.2	94.8	96.3	97.3	97.4	97.6	97.7	97.9	97.9	97.9	97.9
≥ 500	66.2	81.5	85.6	88.1	93.2	95.1	96.1	97.9	98.7	98.9	99.2	99.3	99.4	99.4	99.4	99.4
≥ 400	65.2	81.5	85.6	88.1	93.3	95.2	96.2	98.0	98.8	99.0	99.3	99.4	99.5	99.5	99.5	99.5
≥ 300	66.2	81.5	85.6	88.1	93.3	95.2	96.3	98.2	99.0	99.3	99.5	99.6	99.9	99.9	99.9	99.9
≥ 200	66.2	81.5	85.6	88.1	93.3	95.2	96.3	98.2	99.0	99.3	99.5	99.6	99.9	99.9	99.9	99.9
≥ 100	66.2	81.5	85.6	88.1	93.3	95.2	96.3	98.2	99.0	99.3	99.5	99.6	99.9	99.9	99.9	99.9
≥ 0	66.2	81.5	85.6	88.1	93.3	95.2	96.3	98.2	99.0	99.3	99.5	99.6	99.9	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 842

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

044 2 MISA.A 43 JP

70-79

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS UST

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥⅓	≥⅒	≥0
NO CEILING	29.7	35.4	37.7	37.2	38.7	38.8	39.0	39.5	39.5	39.7	39.7	39.7	39.7	39.7	39.7	39.8
≥ 20000	33.5	35.8	41.5	41.7	43.2	43.5	43.7	44.2	44.2	44.4	44.6	44.6	44.6	44.6	44.7	44.7
IV 18000	33.5	39.9	41.6	41.9	43.3	43.6	43.8	44.3	44.3	44.6	44.7	44.7	44.7	44.7	44.8	44.8
IV 16000	33.5	39.9	41.6	41.9	43.3	43.6	43.8	44.3	44.3	44.6	44.7	44.7	44.7	44.7	44.8	44.8
IV 14000	33.8	40.1	41.9	42.1	43.6	43.8	44.1	44.6	44.6	44.8	44.9	44.9	44.9	44.9	45.0	45.0
IV 12000	35.1	41.3	43.2	43.5	45.0	45.5	45.8	46.4	46.4	46.6	46.8	46.8	46.8	46.8	46.9	46.9
IV 10000	36.5	42.8	44.7	44.9	46.5	47.0	47.2	47.9	47.9	48.1	48.2	48.2	48.2	48.2	48.3	48.3
IV 9000	37.1	44.1	46.0	46.4	48.1	48.6	48.8	49.4	49.4	49.7	49.8	49.8	49.8	49.8	49.9	49.9
IV 8000	38.1	45.9	48.0	48.3	50.1	50.5	50.8	51.5	51.5	51.8	51.9	51.9	51.9	51.9	52.0	52.0
IV 7000	39.5	46.8	49.0	49.3	51.2	51.7	51.9	52.6	52.6	52.9	53.0	53.0	53.0	53.0	53.1	53.1
IV 6000	40.1	47.2	49.4	49.8	51.7	52.1	52.4	53.1	53.1	53.4	53.5	53.5	53.5	53.5	53.6	53.6
IV 5000	43.0	51.0	53.2	53.7	55.7	56.2	56.4	57.2	57.3	57.5	57.6	57.6	57.6	57.6	57.8	57.8
IV 4500	46.8	55.6	58.1	58.5	60.5	61.0	61.2	61.9	62.1	62.3	62.4	62.4	62.4	62.4	62.5	62.5
IV 4000	50.8	60.8	63.4	63.9	65.9	66.3	66.6	67.4	67.6	67.8	67.9	67.9	67.9	67.9	68.1	68.1
IV 3500	53.6	65.7	68.4	68.9	70.9	71.4	71.7	72.6	72.8	73.1	73.2	73.2	73.2	73.2	73.3	73.3
IV 3000	59.7	72.9	75.0	76.4	78.7	79.2	79.6	80.4	80.7	80.9	81.0	81.0	81.0	81.0	81.2	81.2
IV 2500	67.0	80.4	83.5	84.1	86.5	87.5	87.9	88.7	89.0	89.4	89.5	89.5	89.5	89.5	89.6	89.6
IV 2000	69.4	83.4	86.7	87.3	90.0	91.1	91.4	92.3	92.6	93.1	93.3	93.3	93.3	93.3	93.4	93.4
IV 1800	69.6	83.6	86.9	87.5	90.3	91.4	91.8	92.7	93.1	93.5	93.6	93.6	93.6	93.6	93.8	93.8
IV 1500	69.9	84.1	87.5	88.1	91.2	92.3	92.7	93.5	94.2	94.7	95.2	95.2	95.2	95.2	95.3	95.3
IV 1200	70.1	84.6	88.1	88.6	91.7	92.8	93.3	94.1	94.9	95.5	96.0	96.0	96.0	96.0	96.1	96.1
IV 1000	70.1	84.7	88.2	88.9	92.0	93.3	94.0	95.0	95.7	96.3	96.8	96.8	96.8	96.8	96.9	96.9
IV 900	70.1	84.7	88.2	88.9	92.0	93.3	94.0	95.1	95.8	96.5	96.9	96.9	96.9	96.9	97.1	97.1
IV 800	70.1	84.8	88.4	89.0	92.2	93.5	94.2	95.3	96.2	96.8	97.3	97.3	97.3	97.3	97.4	97.4
IV 700	70.1	84.8	88.4	89.0	92.2	93.5	94.2	95.3	96.2	96.8	97.3	97.3	97.3	97.3	97.4	97.4
IV 600	70.4	85.1	88.6	89.4	92.5	94.2	95.0	96.2	97.1	97.7	98.2	98.2	98.2	98.2	98.3	98.3
IV 500	70.4	85.1	88.6	89.5	93.3	95.0	95.7	97.2	98.2	98.8	99.3	99.3	99.3	99.3	99.5	99.5
IV 400	70.4	85.1	88.6	89.5	93.3	95.1	96.0	97.4	98.4	99.0	99.5	99.5	99.5	99.5	99.6	99.8
IV 300	70.5	85.2	88.7	89.6	93.4	95.2	96.1	97.6	98.5	99.1	99.6	99.6	99.6	99.6	99.9	99.9
IV 200	70.5	85.2	88.7	89.6	93.4	95.2	96.1	97.6	98.7	99.3	99.8	99.8	99.8	99.8	100.0	100.0
IV 100	70.5	85.2	88.7	89.6	93.4	95.2	96.1	97.6	98.7	99.3	99.8	99.8	99.8	99.8	100.0	100.0
IV 0	70.5	85.2	88.7	89.6	93.4	95.2	96.1	97.6	98.7	99.3	99.8	99.8	99.8	99.8	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 517

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISAWA AB JP

70-79

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1-24

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥0.16	≥0
NO CEILING	30.0	34.9	35.6	35.7	36.3	36.3	36.5	36.6	36.6	36.6	36.7	36.7	36.7	36.7	36.7
≥ 20000	35.5	41.6	42.5	42.7	43.3	43.3	43.5	43.7	43.7	43.7	43.8	43.8	43.8	43.8	43.8
IV ≥ 18000	35.7	41.9	42.7	43.0	43.6	43.6	43.8	43.9	44.0	44.0	44.0	44.1	44.1	44.1	44.1
IV ≥ 16000	36.1	42.3	43.2	43.4	44.0	44.1	44.2	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.6
IV ≥ 14000	36.5	43.1	43.8	44.1	44.7	44.8	44.9	45.1	45.1	45.2	45.2	45.3	45.3	45.3	45.3
IV ≥ 12000	37.6	44.2	45.1	45.3	46.0	46.1	46.3	46.5	46.5	46.5	46.5	46.6	46.6	46.6	46.6
IV ≥ 10000	39.2	46.1	47.1	47.3	48.0	48.1	48.3	48.5	48.5	48.5	48.6	48.6	48.6	48.7	48.7
IV ≥ 9000	39.8	47.0	48.1	48.3	49.0	49.2	49.3	49.5	49.5	49.6	49.6	49.7	49.7	49.7	49.7
IV ≥ 8000	41.4	48.9	50.0	50.4	51.1	51.3	51.4	51.6	51.7	51.7	51.8	51.8	51.8	51.9	51.9
IV ≥ 7000	42.2	49.7	50.8	51.2	52.0	52.2	52.3	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.8
IV ≥ 6000	42.7	50.4	51.6	52.0	52.7	52.9	53.1	53.3	53.4	53.4	53.5	53.5	53.5	53.6	53.6
IV ≥ 5000	46.5	55.1	56.2	56.8	57.6	57.8	57.9	58.2	58.3	58.3	58.4	58.4	58.5	58.5	58.5
IV ≥ 4500	50.1	59.7	60.9	61.5	62.4	62.6	62.8	63.0	63.2	63.2	63.3	63.3	63.3	63.3	63.3
IV ≥ 4000	54.5	65.8	67.2	67.8	68.8	69.0	69.2	69.6	69.7	69.7	69.8	69.8	69.8	69.9	69.9
IV ≥ 3500	57.2	70.1	71.6	72.3	73.3	73.5	73.8	74.1	74.3	74.4	74.5	74.5	74.6	74.6	74.6
IV ≥ 3000	62.4	76.9	78.6	79.3	80.6	80.9	81.3	81.8	81.9	82.0	82.1	82.1	82.1	82.1	82.1
IV ≥ 2500	67.3	82.3	84.3	85.1	86.6	87.2	87.6	88.1	88.3	88.4	88.5	88.6	88.6	88.6	88.6
IV ≥ 2000	69.6	84.9	87.1	88.1	90.0	90.6	91.0	91.7	92.0	92.1	92.2	92.3	92.3	92.3	92.3
IV ≥ 1800	69.8	85.2	87.4	88.4	91.4	91.8	91.4	92.1	92.4	92.5	92.7	92.7	92.8	92.8	92.8
IV ≥ 1500	70.6	86.1	88.5	89.5	91.7	92.5	92.9	93.7	94.1	94.3	94.6	94.7	94.7	94.7	94.7
IV ≥ 1200	70.9	86.5	88.9	89.9	92.2	93.1	93.5	94.4	94.8	95.1	95.4	95.5	95.5	95.5	95.5
IV ≥ 1000	73.9	85.6	89.1	90.3	92.7	93.6	94.1	95.0	95.5	95.8	96.1	96.2	96.3	96.3	96.3
IV ≥ 900	75.9	86.6	89.2	90.4	92.9	93.8	94.3	95.3	95.7	96.1	96.4	96.5	96.5	96.6	96.6
IV ≥ 800	71.0	86.7	89.3	90.5	93.1	94.0	94.5	95.5	96.0	96.4	96.7	96.9	97.0	97.0	97.0
IV ≥ 700	71.0	86.8	89.4	90.7	93.1	94.2	94.8	95.8	96.3	96.7	97.0	97.2	97.3	97.3	97.3
IV ≥ 600	71.1	86.9	89.5	90.8	93.6	94.6	95.2	96.3	96.9	97.2	97.6	97.7	97.9	97.9	97.9
IV ≥ 500	71.2	86.9	89.6	91.0	94.0	95.1	95.9	97.2	97.8	98.2	98.6	98.8	98.9	99.0	99.0
IV ≥ 400	71.2	87.0	89.6	91.1	94.2	95.4	96.3	97.6	98.3	98.7	99.1	99.3	99.4	99.4	99.5
IV ≥ 300	71.2	87.0	89.7	91.1	94.3	95.6	96.4	97.8	98.5	99.0	99.4	99.6	99.8	99.8	99.8
IV ≥ 200	71.2	87.0	89.7	91.1	94.3	95.6	96.4	97.8	98.5	99.0	99.5	99.6	99.8	99.8	99.9
IV ≥ 100	71.2	87.0	89.7	91.1	94.3	95.6	96.4	97.8	98.5	99.0	99.5	99.7	99.9	99.9	99.9
IV ≥ 0	71.2	87.0	89.7	91.1	94.3	95.6	96.4	97.8	98.5	99.0	99.5	99.7	99.9	99.9	99.9

TOTAL NUMBER OF OBSERVATIONS 6649

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

104 2
STATION

MISAWA AB JP

STATION NAME

69-78

YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-2200
HOURS U.S.T.

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥¾	≥¾	≥½	≥5/16	≥¼	≥0
NO CEILING	29.6	34.7	35.7	35.2	35.8	36.0	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1	36.1
≥20000	31.1	36.9	37.2	37.3	38.1	38.2	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4
≥18000	31.2	37.3	37.7	37.6	38.6	38.7	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8	38.8
≥16000	31.3	37.4	37.8	37.9	38.7	38.8	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9	38.9
≥14000	31.4	37.6	37.9	38.1	38.8	38.9	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0	39.0
≥12000	32.0	38.4	38.7	38.8	39.6	39.7	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8	39.8
≥10000	32.6	39.2	39.5	39.6	40.4	40.5	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
≥9000	33.6	40.1	40.4	40.5	41.3	41.4	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6	41.6
≥8000	34.5	41.3	41.7	41.8	42.6	42.7	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8	42.8
≥7000	35.4	42.5	42.8	42.9	43.7	43.8	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9	43.9
≥6000	35.6	42.7	43.0	43.2	43.9	44.1	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2	44.2
≥5000	38.8	46.8	47.3	47.4	48.2	48.3	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4	48.4
≥4500	41.4	49.5	50.7	50.1	51.0	51.1	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3	51.3
≥4000	45.9	55.1	55.7	55.8	57.0	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥3500	57.1	65.7	61.3	61.5	62.8	63.3	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥3000	55.0	63.6	69.3	69.6	71.2	71.6	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥2500	60.8	75.2	77.2	78.3	80.1	80.6	80.9	80.9	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥2000	64.7	81.1	82.4	83.6	86.3	87.1	87.8	88.0	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7
≥1800	64.7	80.1	82.5	83.7	86.9	87.8	88.5	88.7	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥1500	66.1	82.1	84.7	85.8	89.3	90.4	91.3	91.8	92.6	93.0	93.0	93.0	93.0	93.0	93.0	93.0
≥1200	66.2	82.2	85.1	86.2	89.8	91.0	92.0	92.6	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥1000	66.2	82.2	85.2	86.3	90.2	91.4	92.6	93.4	94.4	95.1	95.4	95.4	95.4	95.4	95.4	95.4
≥900	66.2	82.2	85.2	86.3	90.2	91.6	92.7	93.5	94.5	95.1	95.7	95.9	95.9	95.9	95.9	95.9
≥800	66.2	82.2	85.2	86.4	90.4	91.8	93.2	94.1	95.3	96.0	96.6	96.8	96.8	96.8	96.8	96.8
≥700	66.2	82.2	85.2	86.4	90.4	91.8	93.2	94.1	95.3	96.0	96.6	96.8	96.8	96.8	96.8	96.8
≥600	66.2	82.2	85.2	86.4	90.5	92.0	93.4	94.3	95.5	96.3	97.0	97.4	97.5	97.7	97.7	97.7
≥500	66.3	82.3	85.3	86.5	90.8	92.2	93.6	94.6	95.9	96.9	97.6	98.2	98.5	98.7	98.7	98.7
≥400	66.3	82.3	85.3	86.5	90.8	92.2	93.7	94.9	96.2	97.3	98.1	98.7	99.1	99.3	99.3	99.3
≥300	66.4	82.5	85.6	86.9	91.1	92.6	94.1	95.2	96.6	97.6	98.4	99.1	99.4	99.8	99.9	99.9
≥200	66.4	82.5	85.6	86.9	91.1	92.6	94.1	95.2	96.6	97.6	98.4	99.1	99.4	99.8	99.9	99.9
≥100	66.4	82.5	85.6	86.9	91.1	92.6	94.1	95.2	96.6	97.6	98.4	99.1	99.5	99.9	100.0	100.0
≥0	66.4	82.5	85.6	86.9	91.1	92.6	94.1	95.2	96.6	97.6	98.4	99.1	99.5	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 876

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AT- WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME ISAWA AB JP

69-78

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3300-0500
HOURS (LT)

CEILING FEET.	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.25	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	26.4	31.1	31.2	31.5	31.8	32.0	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3	32.3
≥ 20000	29.9	33.8	33.9	34.2	34.5	34.7	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0	35.0
≥ 18000	28.9	33.9	34.0	34.3	34.6	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 16000	28.9	33.9	34.0	34.3	34.6	34.9	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1	35.1
≥ 14000	29.1	34.2	34.3	34.5	34.9	35.1	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3	35.3
≥ 12000	29.4	34.4	34.5	34.7	35.1	35.3	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6	35.6
≥ 10000	29.7	34.9	35.0	35.2	35.6	35.8	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0	36.0
≥ 9000	30.1	35.2	35.3	35.6	35.9	36.1	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4	36.4
≥ 8000	30.9	36.5	36.6	36.8	37.2	37.4	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 7000	31.2	36.8	37.0	37.2	37.5	37.8	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0	38.0
≥ 6000	31.7	37.3	37.4	37.7	38.0	38.2	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 5000	35.2	41.3	41.4	41.6	42.0	42.2	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5	42.5
≥ 4500	37.2	44.4	44.6	44.8	45.1	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 4000	41.1	49.8	50.1	50.5	51.2	51.5	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 3500	45.8	55.8	56.0	56.5	57.2	57.4	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 3000	50.9	63.2	64.0	64.9	66.2	66.7	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3	67.3
≥ 2500	58.4	72.3	73.8	75.0	76.8	77.4	78.1	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
≥ 2000	62.6	78.1	80.0	81.4	83.9	84.8	85.6	86.2	86.4	86.5	86.7	86.7	86.8	86.8	86.8	86.8
≥ 1800	62.6	78.1	80.1	81.5	84.1	85.1	86.0	86.5	86.8	86.9	87.0	87.0	87.1	87.1	87.1	87.1
≥ 1500	63.9	79.5	81.8	83.3	86.7	88.4	89.4	90.4	90.8	90.9	91.0	91.0	91.1	91.1	91.1	91.1
≥ 1200	64.4	80.1	82.3	84.1	87.6	89.4	90.4	91.7	92.0	92.2	92.3	92.3	92.4	92.4	92.4	92.4
≥ 1000	64.4	80.1	82.3	84.1	87.6	89.4	90.6	92.2	92.5	92.9	93.1	93.1	93.2	93.2	93.2	93.2
≥ 900	64.4	80.1	82.3	84.1	87.6	89.4	90.6	92.2	92.5	92.9	93.2	93.2	93.3	93.3	93.3	93.3
≥ 800	64.4	80.2	82.6	84.3	88.0	89.7	91.0	92.5	93.0	93.7	94.0	94.3	94.6	94.6	94.6	94.6
≥ 700	64.6	80.4	82.7	84.6	88.2	89.9	91.2	92.7	93.2	94.0	94.5	94.7	95.4	95.4	95.4	95.4
≥ 600	64.6	80.4	82.7	84.6	88.2	89.9	91.2	92.9	93.6	94.4	95.0	95.3	96.0	96.1	96.1	96.1
≥ 500	64.6	80.6	82.9	84.8	88.7	90.5	91.9	93.9	94.9	95.7	96.4	96.7	97.5	97.9	97.9	97.9
≥ 400	64.6	80.6	82.9	84.8	88.7	90.5	91.9	93.9	95.2	96.0	97.0	97.3	98.2	98.6	98.6	98.6
≥ 300	64.8	80.8	83.2	85.0	88.9	90.8	92.2	94.2	95.6	96.4	97.3	97.8	98.7	99.4	99.5	99.6
≥ 200	64.8	80.8	83.2	85.0	88.9	90.8	92.2	94.2	95.6	96.4	97.4	97.9	98.8	99.5	99.8	99.9
≥ 100	64.8	80.8	83.2	85.0	88.9	90.8	92.2	94.2	95.6	96.4	97.4	97.9	98.8	99.5	99.8	100.0
≥ 0	64.8	80.8	83.2	85.0	88.9	90.8	92.2	94.2	95.6	96.4	97.4	97.9	98.8	99.5	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 855

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION 2 MISAKA AB JP

69-78

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

3650-6800
HOURS-15

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	25.4	28.4	28.7	28.7	29.2	29.2	29.3	29.3	29.4	29.5	29.5	29.5	29.5	29.5	29.5	29.5
≥ 20000	27.7	31.2	31.6	31.6	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 18000	27.7	31.2	31.6	31.6	32.2	32.2	32.2	32.2	32.3	32.4	32.4	32.4	32.4	32.4	32.4	32.4
≥ 16000	27.8	31.4	31.7	31.7	32.2	32.2	32.3	32.3	32.4	32.5	32.5	32.5	32.5	32.5	32.5	32.5
≥ 14000	27.9	31.5	31.8	31.8	32.3	32.3	32.4	32.4	32.5	32.6	32.6	32.6	32.6	32.6	32.6	32.6
≥ 12000	28.7	32.7	33.1	33.1	33.5	33.5	33.6	33.6	33.8	33.9	33.9	33.9	33.9	33.9	33.9	33.9
≥ 10000	29.9	33.6	34.0	34.0	34.4	34.4	34.5	34.5	34.7	34.8	34.8	34.8	34.8	34.8	34.8	34.8
≥ 9000	30.4	34.4	34.8	34.8	35.3	35.3	35.5	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.7
≥ 8000	31.4	36.5	36.8	36.8	37.4	37.4	37.5	37.5	37.6	37.7	37.7	37.7	37.7	37.7	37.7	37.7
≥ 7000	32.4	37.9	38.2	38.3	38.9	38.9	39.0	39.0	39.1	39.2	39.2	39.2	39.2	39.2	39.2	39.2
≥ 6000	33.4	39.1	39.5	39.6	40.1	40.1	40.3	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5
≥ 5000	37.1	43.1	43.4	43.6	44.2	44.2	44.4	44.4	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6
≥ 4500	40.9	47.3	47.7	47.8	48.5	48.5	48.6	48.6	48.7	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 4000	45.7	53.1	53.6	53.7	54.4	54.4	54.6	54.6	54.8	55.0	55.0	55.0	55.0	55.0	55.0	55.0
≥ 3500	49.6	58.5	59.1	59.2	60.1	60.2	60.3	60.3	60.5	60.8	60.8	60.8	60.8	60.8	60.8	60.8
≥ 3000	55.2	67.2	67.7	68.1	69.2	69.3	69.6	69.6	69.8	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 2500	61.1	74.7	76.1	76.7	78.2	78.7	79.1	79.1	79.5	79.8	79.8	79.8	79.9	79.9	79.9	79.9
≥ 2000	63.9	78.3	80.7	80.8	83.2	84.0	84.7	85.2	86.1	87.0	87.0	87.0	87.1	87.1	87.1	87.1
≥ 1800	63.9	78.4	80.3	81.1	83.5	84.3	84.9	85.4	86.3	87.2	87.2	87.2	87.3	87.3	87.3	87.3
≥ 1500	65.2	80.3	82.3	83.5	86.5	87.6	88.4	89.1	90.0	91.2	91.4	91.4	91.6	91.6	91.6	91.6
≥ 1200	65.8	80.8	83.1	84.6	87.9	88.9	90.0	90.9	92.1	93.4	93.6	93.7	93.8	93.8	93.8	93.8
≥ 1000	65.7	81.0	83.2	84.7	88.3	89.3	90.4	91.3	92.8	94.2	94.4	94.5	94.6	94.6	94.6	94.6
≥ 900	65.9	81.0	83.2	84.7	88.3	89.3	90.4	91.3	92.8	94.3	94.5	94.8	94.9	94.9	94.9	94.9
≥ 800	65.9	81.0	83.4	84.9	88.7	89.7	90.9	91.9	93.4	95.0	95.2	95.4	95.7	95.8	95.8	95.8
≥ 700	66.7	81.1	83.5	85.1	88.8	89.9	91.3	92.0	93.6	95.4	95.7	96.0	96.2	96.4	96.4	96.4
≥ 600	66.2	81.4	83.8	85.4	89.2	90.2	91.3	92.5	94.1	96.1	96.4	96.9	97.1	97.3	97.3	97.3
≥ 500	66.5	81.6	84.0	85.6	89.4	90.5	91.8	93.2	94.9	97.1	97.5	98.2	98.4	98.5	98.5	98.5
≥ 400	66.5	81.6	84.0	85.6	89.4	90.5	91.8	93.3	95.0	97.4	97.8	98.5	98.7	99.1	99.1	99.1
≥ 300	66.5	81.6	84.0	85.6	89.4	90.5	91.8	93.3	95.0	97.4	97.8	98.5	98.7	99.7	99.7	99.8
≥ 200	66.5	81.6	84.0	85.6	89.4	90.5	91.8	93.3	95.0	97.4	97.8	98.5	98.7	99.7	99.8	99.9
≥ 100	66.5	81.6	84.0	85.6	89.4	90.5	91.8	93.3	95.0	97.4	97.8	98.5	98.7	99.7	99.8	100.0
≥ 0	66.5	81.6	84.0	85.6	89.4	90.5	91.8	93.3	95.0	97.4	97.8	98.5	98.7	99.7	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 577

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION

MISAKA AB JP

STATION NAME

69-78

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS LST

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥0
NO CEILING	33.3	37.4	37.5	37.8	38.4	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5	38.5
≥ 20000	38.6	44.4	44.5	44.9	45.5	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 18000	38.9	44.7	44.8	45.1	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 16000	38.9	44.7	44.8	45.1	45.7	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8	45.8
≥ 14000	39.2	45.1	45.2	45.6	46.1	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3	46.3
≥ 12000	39.5	45.5	45.6	45.9	46.5	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6	46.6
≥ 10000	40.3	46.6	46.7	47.0	47.6	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7	47.7
≥ 9000	41.0	47.5	47.6	48.0	48.6	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8	48.8
≥ 8000	42.7	50.5	50.7	51.0	51.7	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8	51.8
≥ 7000	44.1	52.4	52.6	53.0	53.8	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9	53.9
≥ 6000	45.3	53.9	54.1	54.4	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 5000	47.3	56.3	56.5	56.8	57.6	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7	57.7
≥ 4500	49.2	58.8	59.1	59.4	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3	60.3
≥ 4000	52.3	62.7	63.1	63.5	64.3	64.4	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.5
≥ 3500	54.5	66.3	66.6	67.2	68.0	68.2	68.2	68.2	68.2	68.3	68.3	68.3	68.3	68.3	68.3	68.3
≥ 3000	58.2	71.7	72.4	73.0	74.0	74.2	74.4	74.5	74.5	74.7	74.7	74.7	74.8	74.8	74.8	74.8
≥ 2500	61.6	75.6	76.8	77.8	79.4	79.8	80.0	80.1	80.2	80.5	80.5	80.5	80.6	80.6	80.6	80.6
≥ 2000	64.7	79.7	81.7	83.1	85.3	85.8	86.3	87.0	87.2	87.5	87.6	87.6	87.7	87.7	87.7	87.7
≥ 1800	64.8	79.9	81.9	83.3	85.6	86.1	86.6	87.4	87.5	87.8	88.0	88.0	88.1	88.1	88.1	88.1
≥ 1500	65.7	81.0	83.4	85.2	88.2	89.3	90.0	91.5	91.9	92.5	92.7	92.7	92.8	92.8	92.8	92.8
≥ 1200	65.9	81.3	83.8	85.6	88.5	89.8	90.7	92.2	92.8	93.6	94.1	94.1	94.2	94.2	94.2	94.2
≥ 1000	66.0	81.4	83.9	86.0	89.2	90.5	91.5	93.2	93.9	94.9	95.3	95.3	95.5	95.5	95.5	95.5
≥ 900	66.1	81.4	83.9	86.0	89.3	90.6	91.6	93.3	94.0	95.0	95.5	95.6	95.7	95.7	95.7	95.7
≥ 800	66.0	81.5	84.0	86.1	89.9	91.3	92.3	94.0	94.7	95.8	96.6	96.8	97.0	97.0	97.0	97.0
≥ 700	66.1	81.6	84.1	86.3	90.1	91.5	92.6	94.4	95.1	96.3	97.0	97.3	97.5	97.5	97.5	97.5
≥ 600	66.1	81.6	84.2	86.4	90.2	91.6	92.8	94.7	95.3	96.7	97.5	97.7	98.1	98.2	98.2	98.2
≥ 500	66.1	81.6	84.2	86.4	90.2	91.6	92.8	94.7	95.5	96.9	98.0	98.3	98.8	98.9	98.9	98.9
≥ 400	66.1	81.6	84.2	86.4	90.2	91.6	92.8	94.7	95.5	96.9	98.0	98.3	98.9	99.0	99.0	99.0
≥ 300	66.1	81.6	84.2	86.4	90.3	91.7	93.0	94.9	95.7	97.2	98.2	98.5	99.2	99.8	99.9	99.9
≥ 200	66.1	81.6	84.2	86.4	90.3	91.7	93.0	94.9	95.7	97.2	98.2	98.5	99.2	99.8	99.9	100.0
≥ 100	66.1	81.6	84.2	86.4	90.3	91.7	93.0	94.9	95.7	97.2	98.2	98.5	99.2	99.8	99.9	100.0
≥ 0	66.1	81.6	84.2	86.4	90.3	91.7	93.0	94.9	95.7	97.2	98.2	98.5	99.2	99.8	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 880

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2
STATION

MISAWA AB JP

STATION NAME

59-78

YEARS

DEC

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LT)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.5	≥.4	≥.3	≥.25	≥.2	≥.1
NO CEILING	29.5	32.8	33.1	33.3	33.4	33.5	33.5	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7	33.7
≥ 20000	35.7	41.5	41.9	42.1	42.2	42.3	42.3	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6	42.6
≥ 18000	35.4	41.9	42.2	42.5	42.6	42.7	42.7	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9	42.9
≥ 16000	36.8	42.2	42.6	42.6	42.9	43.7	43.7	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2	43.2
≥ 14000	37.2	42.7	43.0	43.2	43.4	43.5	43.5	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7	43.7
≥ 12000	38.3	44.2	44.5	44.7	44.8	44.9	44.9	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2	45.2
≥ 10000	39.8	46.3	46.7	46.9	47.0	47.2	47.2	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 9000	42.9	47.4	47.6	48.0	48.1	48.4	48.4	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6	48.6
≥ 8000	42.3	49.3	49.7	49.9	50.1	50.3	50.4	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6	50.6
≥ 7000	43.5	50.6	51.2	51.4	51.5	51.8	51.9	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1	52.1
≥ 6000	43.0	51.0	51.5	51.8	51.9	52.1	52.2	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4	52.4
≥ 5000	45.4	53.2	53.9	54.3	54.4	54.6	54.7	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9	54.9
≥ 4500	46.3	54.5	55.2	55.5	55.6	56.0	56.1	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3	56.3
≥ 4000	49.4	58.8	59.7	60.2	60.4	60.7	60.8	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 3500	52.7	63.2	64.1	64.7	64.9	65.3	65.5	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3000	57.5	70.2	71.2	71.9	72.4	72.9	73.2	73.6	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 2500	61.4	75.8	77.3	78.5	79.5	80.1	80.5	81.0	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2
≥ 2000	64.7	79.8	82.1	83.3	84.8	85.9	86.4	87.3	87.4	87.4	87.5	87.5	87.5	87.5	87.5	87.5
≥ 1800	64.7	79.9	82.2	83.7	85.0	86.2	86.6	87.5	87.6	87.6	87.9	87.9	87.9	87.9	87.9	87.9
≥ 1500	66.5	82.1	84.6	86.8	89.2	90.5	91.4	92.6	93.1	93.1	93.4	93.4	93.4	93.4	93.4	93.4
≥ 1200	66.7	82.3	84.8	87.2	89.4	91.0	92.5	93.9	94.4	94.6	94.9	94.9	94.9	94.9	94.9	94.9
≥ 1000	66.7	82.3	84.8	87.2	89.6	91.1	92.7	94.1	94.8	95.2	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900	66.7	82.3	84.8	87.2	89.6	91.1	92.8	94.2	94.9	95.3	95.8	95.9	95.9	95.9	95.9	95.9
≥ 800	67.0	82.5	85.0	87.4	89.8	91.4	93.1	94.6	95.2	95.7	96.4	96.6	96.6	96.6	96.7	96.7
≥ 700	67.0	82.5	85.0	87.4	89.8	91.4	93.1	94.6	95.2	95.7	96.4	96.6	96.6	96.6	96.7	96.7
≥ 600	67.0	82.5	85.0	87.4	89.9	91.5	93.2	95.0	95.8	96.3	97.0	97.3	97.3	97.3	97.4	97.4
≥ 500	67.1	82.6	85.1	87.5	90.1	91.7	93.6	95.8	96.6	97.4	98.3	98.5	98.5	98.5	98.6	98.6
≥ 400	67.1	82.6	85.1	87.5	90.4	92.1	94.1	96.3	97.0	97.8	98.8	99.2	99.3	99.4	99.4	99.4
≥ 300	67.2	82.7	85.2	87.6	90.5	92.2	94.2	96.4	97.2	98.0	99.0	99.4	99.5	99.9	99.9	99.9
≥ 200	67.2	82.7	85.2	87.6	90.5	92.2	94.2	96.4	97.2	98.0	99.0	99.4	99.5	100.0	100.0	100.0
≥ 100	67.2	82.7	85.2	87.6	90.5	92.2	94.2	96.4	97.2	98.0	99.0	99.4	99.5	100.0	100.0	100.0
≥ 0	67.2	82.7	85.2	87.6	90.5	92.2	94.2	96.4	97.2	98.0	99.0	99.4	99.5	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

881

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISANA AS JP

YEARS 69-78

MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥1	≥1	≥1	≥1	≥1	≥1	≥1
NO CEILING	37.7	34.7	35.1	35.2	35.5	35.6	35.7	35.7	35.7	35.7	35.7	35.7	35.8	35.8	35.8	35.8
≥ 20000	37.3	43.7	43.3	43.5	43.8	43.9	44.0	44.0	44.0	44.0	44.0	44.0	44.1	44.1	44.1	44.1
≥ 18000	37.6	43.3	43.6	43.9	44.1	44.2	44.3	44.3	44.3	44.3	44.3	44.3	44.4	44.4	44.4	44.4
≥ 16000	38.2	43.9	44.2	44.4	44.7	44.8	44.9	44.9	44.9	44.9	44.9	44.9	45.0	45.0	45.0	45.0
≥ 14000	39.3	44.3	44.7	44.9	45.1	45.2	45.3	45.3	45.3	45.3	45.3	45.3	45.5	45.5	45.5	45.5
≥ 12000	40.3	46.3	46.6	46.8	47.0	47.2	47.3	47.3	47.3	47.3	47.3	47.3	47.4	47.4	47.4	47.4
≥ 10000	41.4	48.0	48.3	48.5	48.8	48.9	49.0	49.0	49.0	49.0	49.0	49.0	49.1	49.1	49.1	49.1
≥ 9000	41.9	48.9	49.2	49.4	49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	50.0	50.0	50.0	50.0
≥ 8000	43.3	50.5	50.9	51.1	51.4	51.5	51.7	51.8	51.8	51.8	51.8	51.8	51.9	51.9	51.9	51.9
≥ 7000	44.2	51.6	52.0	52.3	52.6	52.7	53.0	53.1	53.2	53.2	53.2	53.2	53.3	53.3	53.3	53.3
≥ 6000	45.3	52.7	53.2	53.4	53.8	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4
≥ 5000	46.3	55.0	55.5	55.7	56.0	56.1	56.4	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.7	56.7
≥ 4500	47.8	56.1	56.7	57.0	57.4	57.5	57.7	57.8	58.0	58.0	58.0	58.0	58.1	58.1	58.1	58.1
≥ 4000	51.5	61.5	62.2	62.7	63.3	63.4	63.6	63.8	63.9	63.9	63.9	63.9	64.0	64.0	64.0	64.0
≥ 3500	54.8	65.5	66.3	66.9	67.5	67.6	67.8	68.0	68.1	68.1	68.1	68.1	68.2	68.2	68.2	68.2
≥ 3000	59.3	71.9	72.7	73.4	74.1	74.3	74.5	74.9	75.0	75.0	75.0	75.0	75.1	75.1	75.1	75.1
≥ 2500	62.6	77.0	78.2	79.0	80.0	80.3	80.7	81.0	81.1	81.1	81.1	81.1	81.3	81.3	81.3	81.3
≥ 2000	66.6	81.3	82.8	83.9	85.5	85.9	86.5	87.3	87.4	87.4	87.4	87.4	87.5	87.5	87.5	87.5
≥ 1800	66.6	81.4	83.0	84.0	85.6	86.1	86.8	87.6	87.7	87.7	87.7	87.7	87.8	87.8	87.8	87.8
≥ 1500	68.1	83.5	85.7	86.8	89.0	90.2	91.3	92.2	92.4	92.4	92.4	92.4	92.5	92.6	92.6	92.6
≥ 1200	68.2	83.6	86.0	87.2	89.4	90.7	91.6	93.0	93.2	93.5	93.8	93.9	94.0	94.0	94.0	94.0
≥ 1000	68.1	83.6	86.0	87.3	89.8	91.0	91.9	93.6	94.0	94.5	94.9	95.1	95.2	95.2	95.2	95.2
≥ 900	68.2	83.8	86.1	87.4	89.9	91.1	92.0	93.8	94.1	94.7	95.0	95.2	95.3	95.3	95.3	95.3
≥ 800	68.5	84.2	86.6	88.0	90.5	91.7	92.6	94.5	94.9	95.5	95.8	96.0	96.3	96.3	96.3	96.3
≥ 700	69.6	84.4	86.8	88.2	90.7	91.9	92.8	94.8	95.2	95.9	96.4	96.7	96.9	97.0	97.0	97.0
≥ 600	68.8	84.5	86.9	88.3	90.8	92.0	93.0	94.9	95.5	96.3	96.7	97.0	97.4	97.5	97.5	97.5
≥ 500	68.8	84.5	86.9	88.3	90.9	92.2	93.2	95.2	95.9	96.8	97.5	97.8	98.4	98.8	98.9	98.9
≥ 400	68.8	84.5	87.2	88.5	91.1	92.4	93.4	95.5	96.4	97.4	98.1	98.4	99.0	99.4	99.5	99.5
≥ 300	68.8	84.5	87.2	88.5	91.1	92.4	93.4	95.5	96.4	97.5	98.2	98.8	99.3	99.8	99.9	99.9
≥ 200	68.8	84.5	87.2	88.5	91.1	92.4	93.4	95.5	96.4	97.5	98.2	98.8	99.3	99.8	99.9	99.9
≥ 100	68.8	84.5	87.2	88.5	91.1	92.4	93.4	95.5	96.4	97.5	98.2	98.8	99.3	99.9	100.0	100.0
≥ 0	68.8	84.5	87.2	88.5	91.1	92.4	93.4	95.5	96.4	97.5	98.2	98.8	99.3	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 880

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

444 2 HISAKA AB JP

59-73

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1977-2000
HOURS 151

CEILING FEET	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.2	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0	≥0
NO CEILING	34.5	39.7	40.3	40.4	40.6	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7
≥ 20000	36.3	44.6	45.4	45.5	45.7	45.7	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9	45.9
IV 18000	36.5	45.2	45.7	45.9	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
IV 16000	38.8	45.3	46.1	46.2	46.4	46.4	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5	46.5
IV 14000	39.1	45.9	46.4	46.5	46.8	46.8	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9	46.9
IV 12000	40.4	47.2	47.8	47.9	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
IV 10000	41.3	48.7	49.3	49.4	49.6	49.6	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7	49.7
IV 9000	42.5	49.5	50.1	50.2	50.4	50.4	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5	50.5
IV 8000	42.6	50.2	50.7	50.9	51.1	51.1	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2	51.2
IV 7000	42.9	50.7	51.4	51.5	51.9	51.9	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2	52.2
IV 6000	43.6	51.8	52.4	52.6	52.9	52.9	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
IV 5000	46.1	54.5	55.2	55.3	55.6	55.6	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1	56.1
IV 4500	48.9	55.1	58.8	58.9	59.4	59.4	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
IV 4000	52.1	62.5	63.6	63.7	64.4	64.4	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0	65.0
IV 3500	55.5	66.7	68.5	68.6	68.8	69.3	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6	69.6
IV 3000	60.3	73.8	75.4	75.6	76.4	76.6	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2	77.2
IV 2500	64.4	78.3	80.1	80.7	82.1	82.4	83.1	83.2	83.3	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
IV 2000	67.3	82.2	84.7	84.8	86.6	87.1	87.7	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1800	67.3	82.2	84.1	84.8	86.6	87.1	87.7	87.9	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
IV 1500	68.9	84.7	86.3	88.1	90.2	90.9	91.8	92.3	92.8	93.3	93.5	93.6	93.6	93.6	93.6	93.6	93.6
IV 1200	68.9	84.7	86.9	88.1	91.4	91.7	92.1	92.5	93.2	93.5	93.9	94.2	94.2	94.2	94.2	94.2	94.2
IV 1000	69.1	85.1	87.6	89.1	91.6	92.3	93.3	93.9	94.6	95.3	95.6	95.9	95.9	95.9	95.9	95.9	95.9
IV 900	69.1	85.1	87.6	89.1	91.6	92.3	93.3	93.9	94.6	95.3	95.6	95.9	95.9	95.9	95.9	95.9	95.9
IV 800	69.1	85.1	87.7	89.1	91.9	92.6	93.6	94.4	95.1	96.1	96.5	96.8	96.8	96.8	96.8	96.8	96.8
IV 700	69.1	85.1	87.7	89.2	92.1	92.6	93.9	94.7	95.3	96.4	96.7	97.0	97.0	97.0	97.2	97.2	97.2
IV 600	69.1	85.2	87.9	89.4	92.3	93.1	94.1	95.0	95.7	96.7	97.1	97.4	97.4	97.4	97.5	97.5	97.5
IV 500	69.4	85.5	88.1	89.7	92.5	93.3	94.3	95.5	96.4	97.6	97.6	98.0	98.4	98.4	98.5	98.5	98.5
IV 400	69.4	85.5	88.1	89.8	92.7	93.5	94.6	95.7	96.6	97.8	98.3	98.8	98.8	98.9	99.0	99.0	99.0
IV 300	69.4	85.5	88.1	89.8	92.8	93.6	94.7	95.8	96.8	98.1	98.5	99.0	99.1	99.3	99.4	99.4	99.4
IV 200	69.4	85.5	88.1	89.8	92.8	93.8	94.8	95.9	96.9	98.2	98.6	99.3	99.4	99.7	99.8	99.8	99.8
IV 100	69.4	85.5	88.1	89.8	92.8	93.8	94.8	95.9	96.9	98.2	98.6	99.3	99.4	99.7	99.8	99.8	99.8
IV 0	69.4	85.5	88.1	89.8	92.8	93.8	94.8	95.9	96.9	98.2	98.6	99.3	99.4	99.7	99.8	99.8	99.8

TOTAL NUMBER OF OBSERVATIONS 581

GLOBAL CLIMATOLOGY BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION MISAWA AB JP

DATE 69-78

MONTH DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.15	≥0.1	≥0.05	≥0.025	≥0.01
NO CEILING	37.9	36.1	36.4	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.6	36.7	36.7	36.7	36.8	36.8
≥ 20000	32.6	39.8	43.7	45.3	43.3	40.3	41.3	40.3	40.3	40.3	40.3	40.4	40.4	40.5	40.5	40.5
≥ 18000	32.7	39.9	43.8	45.4	43.4	40.4	41.4	40.4	40.4	40.4	40.4	40.5	40.5	40.6	40.6	40.6
≥ 16000	33.2	40.4	43.9	45.8	43.8	40.8	41.8	40.8	40.8	40.8	40.8	40.9	40.9	41.0	41.0	41.0
≥ 14000	33.5	40.7	44.0	46.1	44.1	41.1	42.1	41.1	41.1	41.1	41.1	41.2	41.2	41.3	41.3	41.3
≥ 12000	34.7	42.0	45.2	47.4	45.4	42.4	43.4	42.4	42.4	42.4	42.4	42.5	42.5	42.6	42.6	42.6
≥ 10000	35.6	43.0	46.2	48.4	46.4	43.4	44.4	43.4	43.4	43.4	43.4	43.5	43.5	43.6	43.6	43.6
≥ 9000	36.3	43.9	47.1	49.4	47.4	44.4	45.4	44.4	44.4	44.4	44.4	44.5	44.5	44.6	44.6	44.6
≥ 8000	36.3	44.8	48.0	50.3	48.3	45.3	46.3	45.3	45.3	45.3	45.3	45.4	45.4	45.5	45.5	45.5
≥ 7000	37.4	45.5	48.7	51.0	49.0	46.0	47.0	46.0	46.0	46.0	46.0	46.1	46.1	46.2	46.2	46.2
≥ 6000	37.5	45.7	48.9	51.2	49.2	46.2	47.2	46.2	46.2	46.2	46.2	46.3	46.3	46.4	46.4	46.4
≥ 5000	41.7	50.2	53.4	56.6	50.7	50.7	50.7	50.7	50.7	50.7	50.7	50.9	50.9	51.0	51.0	51.0
≥ 4500	45.2	54.6	55.7	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.4	55.4	55.4	55.5	55.5
≥ 4000	49.3	56.5	59.7	59.3	59.5	59.5	59.5	59.5	59.5	59.5	59.5	59.9	59.9	60.0	60.0	60.0
≥ 3500	52.2	63.4	64.1	64.4	64.9	65.3	65.3	65.2	65.5	65.5	65.5	65.7	65.7	65.7	65.8	65.8
≥ 3000	59.1	72.5	73.4	73.8	74.2	74.3	74.3	74.6	74.8	74.8	74.8	75.0	75.0	75.0	75.1	75.1
≥ 2500	63.5	77.3	79.2	79.9	80.4	80.5	80.7	81.0	81.3	81.4	81.6	81.6	81.6	81.6	81.8	81.8
≥ 2000	66.6	82.1	84.2	85.1	86.2	86.4	86.7	87.0	87.3	87.6	87.8	87.8	87.8	87.8	87.9	87.9
≥ 1800	66.6	82.6	84.5	85.5	86.7	86.9	87.1	87.5	87.8	88.0	88.3	88.3	88.3	88.3	88.4	88.4
≥ 1500	67.7	84.2	86.5	87.9	89.5	89.7	90.1	90.6	91.3	91.7	91.9	91.9	91.9	92.0	92.0	92.0
≥ 1200	67.8	84.3	86.7	88.0	89.9	90.3	90.6	91.3	91.9	92.5	92.6	92.6	92.6	92.8	93.0	93.0
≥ 1000	67.8	84.5	86.9	88.3	90.3	90.9	91.3	92.2	92.8	93.4	93.8	94.0	94.0	94.2	94.2	94.2
≥ 900	67.8	84.5	86.9	88.5	90.6	91.3	91.8	93.0	93.7	94.3	94.9	95.0	95.1	95.4	95.4	95.4
≥ 800	67.8	84.5	86.9	88.5	90.6	91.3	91.8	93.0	93.7	94.3	94.9	95.0	95.1	95.4	95.4	95.4
≥ 700	67.8	84.5	86.9	88.6	90.9	91.6	92.0	93.3	94.0	94.5	95.1	95.2	95.3	95.7	95.7	95.7
≥ 600	68.0	84.6	87.0	88.7	91.1	91.9	92.4	93.6	94.3	94.9	95.4	95.6	95.8	96.1	96.1	96.1
≥ 500	68.0	84.6	87.0	88.7	91.2	92.2	92.7	94.0	94.8	95.7	96.4	96.5	96.9	97.4	97.4	97.4
≥ 400	68.0	84.7	87.0	88.7	91.3	92.4	92.8	94.1	95.1	96.1	96.8	96.9	97.4	97.9	97.9	97.9
≥ 300	68.0	84.7	87.3	89.1	91.7	92.7	93.2	94.4	95.4	96.6	97.3	97.4	97.9	98.6	98.7	98.9
≥ 200	68.0	84.7	87.3	89.1	91.7	92.7	93.2	94.4	95.4	96.8	97.6	97.8	98.4	99.3	99.5	99.5
≥ 100	68.0	84.7	87.3	89.1	91.7	92.7	93.2	94.4	95.4	96.8	97.6	97.9	98.5	99.4	99.8	100.0
≥ 0	68.0	84.7	87.3	89.1	91.7	92.7	93.2	94.4	95.4	96.8	97.6	97.9	98.5	99.4	99.8	100.0

TOTAL NUMBER OF OBSERVATIONS 677

GLOBAL CLIMATOLOGY BRANCH
 WAFETAC
 AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION WISAWA AB JP

YEARS 69-78

DEC
 MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1.4	≥1	≥.75	≥.5	≥.25	≥.16	≥.1	≥0
NO CEILING	30.1	34.4	34.7	34.9	35.2	35.3	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.4	35.5	35.5
≥ 20000	33.9	39.5	39.8	39.9	40.3	40.4	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.6	40.6
≥ 18000	34.1	39.7	40.1	40.2	40.5	40.6	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.7	40.8	40.8
≥ 16000	34.3	39.9	40.2	40.4	40.8	40.9	40.9	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0	41.0
≥ 14000	34.5	40.3	40.6	40.7	41.1	41.2	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.3	41.4	41.4
≥ 12000	35.4	41.3	41.6	41.8	42.2	42.3	42.3	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4	42.4
≥ 10000	36.4	42.6	42.9	43.0	43.4	43.5	43.6	43.6	43.6	43.6	43.6	43.6	43.6	43.7	43.7	43.7
≥ 9000	37.1	43.4	43.7	43.9	44.3	44.4	44.4	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5	44.5
≥ 8000	38.1	45.0	45.3	45.5	45.9	46.0	46.1	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
≥ 7000	38.9	46.0	46.4	46.6	47.0	47.1	47.3	47.3	47.4	47.4	47.4	47.4	47.4	47.4	47.4	47.4
≥ 6000	39.8	46.8	47.2	47.4	47.8	47.9	48.1	48.1	48.1	48.1	48.2	48.2	48.2	48.2	48.2	48.2
≥ 5000	42.3	50.1	50.5	50.7	51.1	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.5	51.5	51.5	51.5
≥ 4500	44.6	52.9	53.4	53.6	54.1	54.2	54.4	54.4	54.4	54.4	54.4	54.5	54.5	54.5	54.5	54.5
≥ 4000	48.3	57.8	58.4	58.7	59.3	59.5	59.7	59.7	59.8	59.8	59.8	59.8	59.8	59.9	59.9	59.9
≥ 3500	51.9	62.5	63.2	63.6	64.3	64.5	64.7	64.8	64.8	64.9	64.9	64.9	64.9	64.9	64.9	64.9
≥ 3000	56.8	69.9	70.9	71.3	72.2	72.5	72.8	72.9	73.0	73.1	73.1	73.1	73.1	73.2	73.2	73.2
≥ 2500	61.7	75.9	77.4	78.2	79.6	80.0	80.4	80.6	80.7	80.8	80.9	80.9	80.9	80.9	80.9	80.9
≥ 2000	65.1	80.2	82.2	83.3	85.2	85.9	86.5	87.3	87.3	87.6	87.6	87.7	87.7	87.7	87.7	87.7
≥ 1800	65.1	80.3	82.3	83.4	85.5	86.2	86.8	87.3	87.6	87.9	88.0	88.0	88.0	88.1	88.1	88.1
≥ 1500	66.3	82.2	84.5	85.9	88.6	89.6	90.4	91.3	91.9	92.3	92.4	92.5	92.5	92.5	92.5	92.5
≥ 1200	66.7	82.4	84.8	86.4	89.1	90.3	91.2	92.3	92.9	93.4	93.6	93.7	93.8	93.8	93.8	93.8
≥ 1000	66.3	82.5	85.1	86.6	89.6	90.7	91.8	93.0	93.7	94.4	94.8	94.9	94.9	95.0	95.0	95.0
≥ 900	66.8	82.5	85.1	86.6	89.6	90.8	91.9	93.0	93.8	94.5	94.9	95.1	95.1	95.2	95.2	95.2
≥ 800	66.3	82.7	85.2	86.9	90.3	91.2	92.3	93.6	94.4	95.2	95.7	96.0	96.1	96.2	96.2	96.2
≥ 700	66.9	82.7	85.2	87.0	90.1	91.4	92.5	93.8	94.6	95.5	96.0	96.3	96.5	96.6	96.6	96.6
≥ 600	67.0	82.8	85.3	87.1	90.3	91.5	92.7	94.1	95.0	96.0	96.5	96.8	97.1	97.2	97.2	97.2
≥ 500	67.1	82.9	85.5	87.2	90.5	91.8	93.0	94.6	95.6	96.8	97.4	97.8	98.2	98.4	98.4	98.4
≥ 400	67.1	82.9	85.5	87.2	90.6	91.9	93.1	94.8	95.9	97.1	97.8	98.3	98.7	99.0	99.0	99.0
≥ 300	67.1	83.0	85.6	87.4	90.7	92.1	93.3	94.9	96.1	97.3	98.1	98.6	99.0	99.5	99.6	99.7
≥ 200	67.1	83.0	85.6	87.4	90.7	92.1	93.3	95.0	96.1	97.4	98.2	98.7	99.1	99.7	99.8	99.9
≥ 100	67.1	83.0	85.6	87.4	90.7	92.1	93.3	95.0	96.1	97.4	98.2	98.7	99.1	99.7	99.9	100.0
≥ 0	67.1	83.0	85.6	87.4	90.7	92.1	93.3	95.0	96.1	97.4	98.2	98.7	99.1	99.7	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 7607

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

STATION NAME
YSAWA AB JP

69-79

ALL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING FEET	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2.5	≥2	≥1.5	≥1	≥0.5	≥0.25	≥0.1	≥0.05	≥0.025	≥0.01	≥0
NO CEILING	25.6	29.7	30.5	31.1	31.8	32.0	32.1	32.3	32.4	32.4	32.5	32.5	32.5	32.6	32.6	32.6
≥20000	32.2	39.0	40.3	40.9	41.8	42.1	42.3	42.6	42.6	42.7	42.7	42.7	42.8	42.8	42.8	42.9
≥18000	32.5	39.5	40.8	41.4	42.3	42.6	42.8	43.1	43.1	43.2	43.2	43.2	43.3	43.3	43.3	43.4
≥16000	32.9	40.1	41.4	42.1	43.0	43.3	43.5	43.8	43.8	43.9	43.9	43.9	44.0	44.0	44.0	44.1
≥14000	34.0	41.5	42.9	43.6	44.6	44.9	45.1	45.4	45.4	45.5	45.5	45.6	45.6	45.6	45.7	45.7
≥12000	35.6	43.7	45.2	45.9	47.0	47.3	47.5	47.8	47.9	47.9	48.0	48.0	48.1	48.1	48.2	48.2
≥10000	37.2	45.7	47.2	48.1	49.2	49.5	49.7	50.1	50.1	50.2	50.2	50.3	50.3	50.4	50.4	50.4
≥9000	38.3	46.7	48.3	49.1	50.3	50.6	50.9	51.2	51.3	51.3	51.4	51.4	51.5	51.5	51.5	51.6
≥8000	39.6	48.7	50.5	51.4	52.5	53.0	53.3	53.6	53.7	53.8	53.8	53.9	53.9	54.0	54.0	54.0
≥7000	40.2	49.7	51.5	52.5	53.6	54.1	54.4	54.8	54.9	55.0	55.0	55.1	55.1	55.2	55.2	55.2
≥6000	40.7	50.3	52.2	53.1	54.5	54.8	55.1	55.5	55.6	55.7	55.7	55.8	55.8	55.9	55.9	55.9
≥5000	42.8	53.2	55.1	56.1	57.6	58.0	58.3	58.7	58.8	58.9	58.9	59.0	59.0	59.1	59.1	59.1
≥4500	44.5	55.4	57.4	58.5	60.0	60.4	60.8	61.2	61.3	61.4	61.5	61.5	61.5	61.6	61.6	61.7
≥4000	46.8	58.6	60.8	62.0	63.7	64.1	64.5	65.0	65.2	65.2	65.3	65.3	65.3	65.4	65.4	65.5
≥3500	48.5	61.4	63.7	64.9	66.7	67.2	67.6	68.1	68.3	68.3	68.4	68.4	68.5	68.5	68.5	68.6
≥3000	52.1	66.3	68.6	70.1	72.1	72.7	73.2	73.8	73.9	74.0	74.1	74.1	74.2	74.2	74.3	74.3
≥2500	55.1	70.2	73.0	74.5	76.8	77.5	78.0	78.7	78.9	79.1	79.1	79.2	79.2	79.3	79.3	79.4
≥2000	56.9	72.7	75.8	77.4	80.1	80.9	81.5	82.3	82.6	82.8	82.9	83.0	83.0	83.1	83.1	83.2
≥1800	57.0	72.8	75.9	77.6	80.3	81.1	81.7	82.6	82.9	83.0	83.2	83.2	83.3	83.3	83.4	83.4
≥1500	57.7	73.5	77.0	78.8	81.7	82.7	83.4	84.4	84.7	85.0	85.1	85.2	85.3	85.3	85.4	85.4
≥1200	58.3	74.3	77.6	79.4	82.5	83.5	84.2	85.3	85.7	85.9	86.1	86.2	86.2	86.3	86.3	86.4
≥1000	58.3	74.7	78.2	80.0	83.3	84.3	85.1	86.3	86.8	87.1	87.3	87.4	87.5	87.6	87.6	87.7
≥900	58.4	74.9	78.4	80.3	83.6	84.6	85.4	86.6	87.1	87.4	87.7	87.8	87.8	87.9	88.0	88.0
≥800	58.6	75.2	79.6	81.7	84.1	85.2	86.1	87.4	87.9	88.3	88.6	88.7	88.8	88.9	88.9	89.0
≥700	58.8	75.4	79.1	81.1	84.6	85.7	86.6	87.9	88.5	88.9	89.2	89.4	89.5	89.6	89.6	89.7
≥600	59.1	75.8	79.5	81.5	85.2	86.4	87.4	88.8	89.4	89.9	90.2	90.4	90.6	90.7	90.7	90.8
≥500	59.3	76.1	79.9	82.1	86.1	87.4	88.7	90.2	90.8	91.4	91.8	92.0	92.2	92.3	92.4	92.4
≥400	59.5	76.3	80.3	82.6	86.9	88.3	89.6	91.4	92.2	92.8	93.2	93.5	93.7	93.9	94.0	94.1
≥300	59.6	76.5	80.5	82.9	87.5	89.1	90.5	92.6	93.6	94.3	94.9	95.1	95.4	95.6	95.7	95.8
≥200	59.6	76.5	80.6	83.0	87.8	89.5	91.1	93.6	94.7	95.6	96.3	96.6	96.9	97.2	97.4	97.5
≥100	59.6	76.5	80.6	83.0	87.9	89.6	91.3	94.0	95.3	96.5	97.3	97.7	98.2	98.8	99.1	99.7
≥0	59.6	76.5	80.6	83.0	87.9	89.6	91.3	94.0	95.3	96.5	97.3	97.7	98.2	98.9	99.2	100.0

TOTAL NUMBER OF OBSERVATIONS 78933

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:

- a. Daily maximum temperatures
- b. Daily minimum temperatures
- c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1969 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:

- a. Extreme maximum temperature
 - b. Extreme minimum temperature
- NOTE:** Direct conversion of temperatures from Celsius to Fahrenheit values results in the exclusion of certain values. The conversion method used at OLA to present these data may result in differences not exceeding $\pm 1^\circ$ from directly converted values but excludes no Fahrenheit values.

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature. This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ($\sum X^2$), sum of values ($\sum X$), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1950, and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- b. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
9. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

DAILY TEMPERATURES

STATION NAME
STATION

40-72

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
14							.4	.7					.1
13						.1	4.6	7.0	.8				1.1
12					.5	.7	18.4	25.6	3.5				4.1
11					5.8	5.2	35.9	48.1	13.6	.1			9.3
10				.1	11.4	25.8	53.1	73.1	37.2	1.1			16.6
9				4.9	29.3	42.1	71.8	92.6	71.3	12.4	.3		27.3
8			.4	14.1	53.6	65.6	88.4	99.3	92.5	41.1	4.4		38.5
7			3.2	3.9	74.3	83.0	96.9	100.0	99.2	74.7	19.4	.8	48.8
6	.1	.4	6.7	53.8	93.3	95.1	99.6	100.0	100.0	93.3	39.4	4.2	57.1
5	.7	2.7	18.3	75.1	96.9	99.6	100.0			98.5	61.5	13.2	64.1
4	5.4	9.7	34.5	92.0	99.2	100.0				99.9	79.0	27.4	7.7
3	18.7	26.1	61.7	97.8	99.9					100.0	91.5	50.8	79.0
2	53.3	56.0	86.3	99.9	100.0						97.1	75.8	88.9
1	80.2	84.7	97.3	100.0							99.9	93.5	96.5
0	77.7	97.2	99.5								100.0	99.1	99.5
-1	99.7	99.9	100.0									99.9	100.0
-2	100.0	100.0										100.0	100.0
MEAN	34.0	35.7	42.3	55.4	64.9	67.7	75.4	79.3	73.0	63.1	51.5	4.3	56.9
S.D.	5.77	6.34	7.18	8.17	8.59	7.93	8.87	6.91	6.00	5.69	8.35	7.78	16.93
TOTAL OBS	744	672	744	712	744	727	744	744	722	744	720	744	5755

2
1
III

AL CLIMATOLOGY BRANCH

ATC

DATA SERVICE/4

13A, 4 AD JP

DAILY TEMPERATURES

STATION

STATION NAME

43-77

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM DAILY OBSERVATIONS)

INITIALS

TEMP (°F)	JAN.	FEB	MAR	APR.	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
14							1.2	3.1	.1				.4
15							13.1	24.1	1.5				3.3
16					.1	.6	35.8	65.5	10.1				1.1
17					.9	11.7	63.8	94.5	45.6	1.3			13.8
18				.3	6.6	49.3	93.8	98.9	75.1	9.9	.1		28.1
19				2.7	32.4	84.9	99.1	100.0	93.6	31.3	2.8	.1	37.4
20			.4	12.9	75.6	97.9	100.0		99.4	63.1	12.1		45.7
21	.1	.1	3.4	38.9	92.5	99.7			100.0	87.0	32.5	2.3	55.1
22	2.1	4.0	13.5	73.5	78.8	100.0				98.3	65.0	15.2	64.4
23	5.1	8.0	23.3	84.7	99.6					99.7	76.1	26.3	68.7
24	13.5	18.0	46.1	95.9	100.0					100.0	89.9	43.1	75.6
25	41.9	41.5	78.5	99.9							98.1	74.2	86.2
26	76.5	73.7	95.3	100.0							100.0	94.1	95.1
27	95.6	97.2	100.0									99.6	99.4
28	99.9	100.0										100.0	100.0
29	100.0												100.0
30													
31													
32													
33													
34													
35													
36													
37													
38													
39													
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90													
91													
92													
93													
94													
95													
96													
97													
98													
99													
100													
MEAN	23.3	23.7	28.7	38.1	47.1	54.1	62.6	65.4	58.6	46.5	37.1	28.5	42.9
S.D.	5.222	5.712	5.472	5.463	5.113	4.564	5.674	4.400	5.680	5.925	6.157	5.800	10.506
TOTAL OBS.	744	673	744	712	744	717	744	744	72	744	723	744	5

FROM DAILY OBSERVATIONS

YEARS

[illegible]

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)

(AT LEAST ONE DAY LESS THAN 24 OBS)

2

MINIMUM TEMPERATURE

1

48-72

2

(AT LEAST ONE DAY LESS THAN 24 OBS)

PSYCHROMETRIC SUMMARY

72-79

STATION	STATION NAME
---------	--------------

YEARS

PAGE 1

MONTH

132-2560
HOURS (L. S. T.)

Temp (F)		WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.		TOTAL Wet Bulb/Dew Point	
		0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31							
47	45		.1	.1	.2														4	4	4	4			
44	43	.1	.2																2	3	4	4			
42	41	.1	.7	.6	.1														13	13	2	4			
40	39	.1	1.4	.8	.1														22	22	12	4			
38	37	.3	1.3	.9	.6														28	28	18	1			
36	35	.3	1.2	1.5	1.4														41	41	23	13			
34	33	.4	2.9	2.1	1.7														53	58	27	13			
32	31		2.2	2.4	.6														47	46	62	17			
30	29	.7	5.7	3.6	.6														96	95	76	42			
28	27	2.2	8.8	4.2															138	133	116	42			
26	25	.4	6.2	2.7															84	84	111	54			
24	23	2.3	14.8	2.3															176	176	122	111			
22	21	2.0	5.9	.8															78	78	146	89			
20	19	1.3	5.6	.2															65	65	77	101			
18	17	.9	2.2	.1															29	29	67	117			
16	15	.4	1.1																13	13	23	12			
14	13	.2	.8																9	9	19	50			
12	11																					35			
10	9	.1																	1	1	1	46			
8	7																					23			
6	5																					4			
4	3																					1			
TOTAL		12.1	61.2	22.3	4.5														925	925	925	925			

JSAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

44 2 VISALA AE JP

7-79

444

STATION

STATION NAME

YEARS

MONTH

PAGE 1

122G-1462

HOURS (L - S - T -)

[illegible]

PSYCHROMETRIC SUMMARY

72-79

STATION

STATION NAME

YEARS

434

32
MONTH

PAGE 1

1500-1700

NOISE (L E T)

[illegible]

PSYCHROMETRIC SUMMARY:

70-70

113

PAGE 1 1609-2000
HOURS (L - S - T)

[illegible]

PSYCHROMETRIC SUMMARY

• 44 - MISAHA AE JP

74-79

224

STATION

STATION NAME

YEARS

MONITOR

PAGE : 21-23

NOV 11 1964

[illegible]

PSYCHROMETRIC SUMMARY:

72-79

429

STATION

STATION NAME

YEARS

10251

PAGE 1

ALL

MOBILE 11-5-7-1

[illegible]

PSYCHROMETRIC SUMMAN

YEARS

FEB
 MONTH
 1961-02-01
 HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

2-79

777

STATION

STATION NAME

YEARS

MONTH

PAGE 1

^955-1150

HOURS (L, S, T.)

[illegible]

0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC FORM 0-26-5 (01 A)

PSYCHROMETRIC SUMMARY

72-79

45

STATION

STATION NAME

YEARS

MONTH

PAGE 1

125-143
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
50/ 50				.1		.2												3	3						
49/ 50			.2		.1		.1											3	3						
48/ 49				.1	.5													5	5						
47/ 47			.1	.4	.4	.1												8	8						
46/ 46			.1	.1	.5	.5	.2											12	12	5					
44/ 43			.1	.2	1.3	.7	.2											22	22	8					
42/ 41	.2	.4	2.0	2.9	1.6													58	58	3					
41/ 39	.1	.9	2.3	3.2	.5													62	62	23					
39/ 37	.4	.9	2.3	3.1	1.1													62	62	37					
38/ 36		1.9	4.3	3.9	.6													85	85	59					
37/ 33	.4	1.6	4.2	4.7	.2													85	85	84					
36/ 31		1.2	6.2	3.3														88	88	85					
34/ 29	.5	4.8	5.9	1.7														105	105	113					
32/ 27	.6	5.7	5.5	.5														101	101	152					
31/ 25	.7	4.2	3.8	.1														72	72	95					
29/ 23	.4	2.4	.5															27	27	92					
27/ 21	.1	1.7	.1															10	10	32					
25/ 19	.2	.7																8	8	15					
19/ 17	.4																	3	3	9					
16/ 15																				1					
14/ 13																									
13/ 11																									
11/ 9																									
9/ 7																									
8/ 5																									
7/ -1																									
TOTAL	3.726	3.37	4.25	8	6.7	1.0												819	819	819					
																		819	819						

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	3629997	53311	65.1	13.978	819	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	927682	27084	33.1	6.257	819		42.5					84
Wet Bulb	731667	24067	29.4	5.333	819		60.9					84
Dew Point	434661	18047	22.0	6.724	819	.1	78.1					84

0.26 5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

- 44 - ISAAA 45 JP

75-79

23 24 25

STATION

STATION NAME

YEARS

MONTH

PAGE 1

187-2736
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

FFG

MONTH

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY

FEE

MONTH

ALL

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	>31	Dry Bulb	Wet Bulb	Dew Point				
50 / 55					.1	.1	.1											5	5					
50 / 53			.1		.1	.1												7	7					
50 / 51						.1												2	2					
50 / 49		.1	.1	.1	.1	.1												15	15	5				
50 / 47		.1	.1	.2	.1	.1												24	24	9				
50 / 45		.2	.3	.3	.1	.1												67	67	13				
47 / 43		.1	.4	.6	.2	.1												86	86	35				
47 / 41	.1	.4	1.2	1.9	.5													205	205	56				
47 / 39	.1	.9	1.4	1.6	.1													271	271	37				
47 / 37	.2	1.4	2.5	1.5	.2													376	376	185				
47 / 35	.1	2.5	3.3	1.5	.1													500	500	294				
47 / 33	.5	2.2	3.6	1.7	.1													533	533	922				
47 / 31	.5	1.8	3.8	1.7	.1													503	503	557				
47 / 29	.6	4.4	4.9	1.2														725	726	634				
47 / 27	1.3	6.1	4.4	.2														797	797	877				
47 / 25	1.2	6.5	3.3	.1														726	720	920				
47 / 23	1.6	9.6	2.2															884	884	883				
47 / 21	1.3	3.9	.2															357	357	729				
47 / 19	.5	2.3	.1															194	194	369				
47 / 17	.6	1.5	.1															137	137	224				
47 / 15	.4	.8																74	74	130				
47 / 13	.3	.6																48	48	63				
47 / 11	.2	.1																18	18	24				
47 / 9	.2	.1																16	16	15				
47 / 7	.1																	4	4	5				
47 / 5	.1																	1	1	1				
47 / 3	.1																	1	1	1				
47 / 1	.1																	1	1	1				
47 / -1	.																	1	1	1				
47 / -3	.																	1	1	1				
TOTAL	9.3	45.3	31.9	11.7	1.5	.2												6569	6570	6569				

Element (X)	ΣX^2	ΣX	\bar{X}	σ_x	No. Obs.	Mean No. of Hours with Temperature					
Rel. Hum.	55315659	473593	72.1	13.359	6569	± 0 F	± 32 F	± 67 F	± 73 F	± 80 F	± 93 F
Dry Bulb	5972959	192805	29.3	6.923	6570	.1	458.9				672
Wet Bulb	4963805	176135	26.8	6.059	6569	.1	548.7				672
Dew Point	3219593	138391	21.0	6.944	6569	.3	630.7				672

USAFETAC FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

PSYCHROMETRIC SUMMARY

75-79

253

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0675-0255
HOURS (L. S. T.)

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

222 2 MISHANA AE JP

7-79

420

STATION

STATION NAME

YEARS

MONTH

PAGE 1

767-2882

HOURS (L, S, T)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
57 / 55																		1	1																
54 / 53			.1															1	1																
52 / 51				.1														1	1																
5 / 45						.1												1	1																
47 / 47		.2	.2	.1	.1	.1												7	7	1															
4 / 45		.4	.6	1.2	.2													22	22	5	1														
47 / 43	.2	.6	.7	.8	.6		.1											25	25	6	5														
42 / 41	.1	1.1	1.7	1.3	.4	.1												43	43	19	10														
4 / 39	.1	1.2	1.3	1.7	.1	.1												52	52	26	15														
37 / 37	.1	1.4	1.4	2.1	.1													47	47	41	13														
35 / 35	.6	2.8	3.2	1.2	.1													71	71	52	27														
34 / 33	2.2	1.7	5.1	1.9														97	97	83	45														
27 / 31	.6	5.1	5.3	1.7														108	108	91	46														
2 / 25	.6	8.6	5.1	.6														133	133	139	64														
25 / 27	1.9	7.1	2.2	.1														102	102	152	89														
2 / 25	.4	6.3	1.4															74	74	139	99														
27 / 23	.9	6.4	1.7															75	75	63	145														
22 / 21	.4	2.4	.2															28	28	69	105														
19 / 19	.1	1.5																13	13	25	97														
17 / 17	.7																	6	6	13	77														
15 / 15	.1																	1	1	4	39														
14 / 13																				1	20														
11 / 11																					20														
9 / 9																					13														
57																					6														
TOTAL	6.247	9.929	7.12	1	1.3	.4	.1											937	937	977	937														

Element (X)	$\Sigma x'$	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.	5136135	67111	74.0	13.716	907	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total
Dry Bulb	55161	25757	31.7	6.387	907		55.4					97
Wet Bulb	50186	26476	29.2	5.653	907		68.8					97
Dew Point	56240	21726	24.0	6.207	907		82.0					93

PSYCHROMETRIC SUMMARY

5889

422

Page 1

25-110
HOURS (L, S, T)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

444 1 15544 AB JP

70-70

200

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L.T.T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
57/55													.1																	1	1				
57/53													.1																	1	1				
57/51							.3	.1					.1																5	5					
57/50								.2					.1																3	3					
57/50								.3	.1				.1																4	4					
57/50						.2	.5	.2	.5																				12	12					
57/50					.1	1.1	.9	.8	.1																				27	27					
57/50			.5	.7	.3	.7	.7																						26	26	3				
57/49			.1	.3	.5	.6	.3	.2																					22	22	3				
57/47		.3		.4	.6	1.9	.3																						32	32	15				
57/46		.3	.4	1.1	2.3	1.6																							51	51	29				
57/43		.4	.4	2.9	1.4	.8																							54	54	25				
57/40	.4	1.1	2.3	2.8	5.9	1.3	.3																						128	128	43				
57/39	.8	1.9	4.4	3.2	.2																								87	88	53				
57/37	1.0	4.4	5.2	1.9																									115	115	92				
57/35	.9	3.4	3.9	5.1	.6																								125	125	72				
57/33	1.7	2.2	3.1	2.4	.2																								56	56	193				
57/31	.1	1.7	1.5	.6																									37	37	156				
57/29		1.8	.9	.2																									26	26	161				
57/27	.1	1.6	1.1	.2																									27	27	55				
57/25		1.2	.3																										14	14	24				
57/23		1.1																											10	10	24				
57/21	.1	.6																											5	5	11				
57/19																														3	3	163			
57/17																																66			
57/15																																32			
57/13																																22			
57/11																																7			
57/9																																3			
57/7																																1			
57/5																																2			
57/3																																1			
TOTAL	5.3	17.6	20.6	26.6	16.4	9.2	3.1	.7	.5																				899	899	899				
Element (K)	Z _g	Z _h	Z _i	Z _j	Z _k	Z _l	Z _m	Z _n	Z _o	Z _p	Z _q	Z _r	Z _s	Z _t	Z _u	Z _v	Z _w	Z _x	Z _y	Z _z	Mean No. of Hours with Temperature														
Rel. Hum.	3455192	53438	59.4	17.7	13	899	0 F	32 F	67 F	73 F	80 F	93 F	Total	93																					
Dry Bulb	1431636	55290	39.2	7.2	98	899	12.4																												
Wet Bulb	1.64355	3.523	34.1	5.556	899		23.7																												
Dew Point	512552	2588	25.8	7.561	899		77.6																												

USAFETAC FORM 0-26-5 (OL A) REVISED WITHIN 10 DAYS OF THIS FORM AND DATE

PSYCHROMETRIC SUMMARY:

MAR
MONTH

STATION

STATION NAME

YEARS

PAGE 1

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

444-2 MISA NA AE JP

73-79

5AR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1600-2000

1050 200
HOURS (L, S, T)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
56/ 57							.1											1	1					
56/ 55					.1	.1	.1	.1										4	4					
54/ 53			.1	.1														3	3					
52/ 51			.2	.7	.2	.1												11	11					
5 / 49					.2	.2												4	4	2				
48/ 47			.2	.4	.2	.3												11	11	4				
46/ 45	.1	.2	.7	.3	.9	.1	.1											22	22	9	1			
44/ 43	.2	.2	.3	1.6	.4	.1												27	27	15	4			
42/ 41	.2	2.7	2.4	1.6	1.7	.1												74	74	26	17			
4 / 39	.3	2.2	2.9	2.0	.5													70	70	39	12			
38/ 37	.3	2.1	3.2	3.0	.3													81	81	52	28			
36/ 35	.4	2.4	6.8	3.7														122	122	66	36			
34/ 33	2.0	2.0	9.1	2.5														142	142	109	45			
32/ 31	.9	3.7	4.8	1.9														103	103	135	55			
30/ 29	.2	5.0	3.9	.9														92	92	182	51			
28/ 27	.4	3.2	1.2	.4														48	48	111	102			
26/ 25	.3	2.6	1.0															36	36	57	101			
24/ 23	.1	3.7	.5															40	40	48	148			
22/ 21	.1	.8	.1															9	9	25	61			
20/ 19	.2	1.1																12	12	18	79			
18/ 17																				7	72			
16/ 15																					36			
14/ 13																					19			
12/ 11																					7			
10/ 9																					11			
8/ 7																					5			
6/ 5																					2			
TOTAL	5.9	32.0	37.5	19.3	3.3	1.4	.5											912	912	912	912			
Element (X)	Σx ²	Σx	̄x	s ²	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	4691864	63980	70.2	14.944	912	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total												
Dry Bulb	1117738	31398	34.4	6.354	912		34.7					93												
Wet Bulb	914833	28439	31.2	5.546	912		59.5					93												
Dew Point	620444	22912	25.1	7.015	912		78.4					93												

PSYCHROMETRIC SUMMARY

73-70

4.22
MONTH

STATION

STATION NAME

YEARS

PAGE 1

2150-2355

HOURS (L, S, T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIP WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

44472 MISAWA AB JP

73-79

MAP
MONTH

STATION

STATION NAME

YEARS

PAGE 1

ALL

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
65/ 65									.7	.0								2	2						
64/ 63									.7	.0								2	2						
62/ 61						.0	.0		.0	.0								7	7						
61 / 59					.0	.1	.1	.0	.0	.0								15	15						
59/ 57					.0	.0	.0	.1	.0	.0								8	8						
56/ 55				.0	.1	.1	.0	.0	.0	.0								27	27						
54/ 53			.1	.0	.2	.2	.2	.0	.0	.0								57	57						
52/ 51			.1	.3	.2	.2	.2	.1	.0	.0								83	83		6				
51 / 49			.3	.2	.2	.3	.2	.0	.0	.0								71	71	18					
48/ 47	.1	.1	.2	.3	.3	.5	.1	.0										116	116	32	3				
46/ 45	.1	.3	.6	.8	1.0	.9	.0											234	234	92	10				
44/ 43	.1	.5	.5	1.5	.7	.3	.0											262	262	120	26				
42/ 41	.2	1.8	1.7	1.6	1.8	.4	.1											543	544	225	106				
41 / 39	.2	1.3	1.9	2.5	1.2	.1												516	517	291	114				
39/ 37	.2	1.8	2.9	2.8	.6	.0												605	606	427	151				
36/ 35	.5	2.8	4.4	3.2	.1													796	796	526	243				
34/ 33	2.0	2.8	5.4	2.5	.1													921	921	942	362				
32/ 31	.5	3.7	4.1	1.0	.0													679	679	991	402				
31 / 29	.4	5.5	3.6	.7														741	741	1126	430				
28/ 27	1.0	4.8	1.9	.1														570	570	863	732				
26/ 25	.4	3.4	.9															346	346	633	765				
24/ 23	.5	4.2	.8															393	393	405	1144				
22/ 21	.2	1.5	.1															131	131	300	711				
20/ 19	.1	.9																68	68	143	734				
18/ 17	.0	.3																21	21	62	557				
16/ 15		.1																5	5	12	338				
14/ 13																				5	180				
12/ 11																					110				
10/ 9																					66				
8/ 7																					27				
6/ 5																					7				
4/ 3																					1				
TOTAL	6.9	35.8	29.3	17.6	6.6	2.8	1.0	.2	.1	.0								7219	7222		7219				
Element (X)	ΣX ²		ΣX		X		X ²		No. Obs.		Mean No. of Hours with Temperature						Total								
Rel. Hum.	36614908		500546		69.3		16.260		7219		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	744								
Dry Bulb	8917904		248382		34.4		7.211		7222		304.3						744								
Wet Bulb	7174948		223604		31.0		5.873		7219		467.9						744								
Dew Point	4724470		177764		24.6		6.929		7219		639.4						744								

USAFETAC FORM 44 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

444-2 NISANA AE JP

76-79

422

STATION

STATION NAME

YEARS

MONTH

PAGE 1

3000-3200

HOURS (L, S, T.)

PSYCHROMETRIC SUMMARY

424

SOUTH

0354-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

444-2 HISAHA AB JP

79-79

402

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7600-3800

HOURS (L. S. T.)

PSYCHROMETRIC SUMMARY:

79-79

STATICS

STATION NAME

YEARS

APR
MONTH

PAGE 2

39CG-1103

HOURS (L, S, T, J)

[illegible]

USAFETAC
FORM
JAN 74
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

444 2 MISA A3 JP

70-79

103

STATION

STATION NAME

YEARS

MONTH

PAGE :

1206-1400

MOORE & S. T. J.

PSYCHROMETRIC SUMMARY:

72-79

423

5845

SALES TAX

YFAPS

Notes

PAGE 2

1232-1455

W-9

[illegible]

PSYCHROMETRIC SUMMARY

72-79

123

STAT-20

STATION NAME

YEARS

15291

2553

1502-1502

1998

[illegible]

USAFETAC FORM 0.26.5 (OL A) REV. 44 (REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE)

PSYCHROMETRIC SUMMARY

70-79

APR
MONTH

PAGE 2 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
9 TOTAL	2.8	12.0	15.9	17.8	13.7	12.5	13.6	6.3	3.2	1.7	.2		.2	.1					861	861	861											
Element (X)	Σx²	Σx	X̄	sₓ	No. Obs.	Mean No. of Hours with Temperature						Total																				
Rel. Hum.	3119776	48623	56.5	20.835	861	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	2216410	43104	50.2	7.586	861			2.1	.7	.1		90																				
Wet Bulb	1610987	36931	42.9	5.593	861		1.4					90																				
Dew Point	1028591	28775	33.4	8.821	861		40.6					90																				

NO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

402

MONTH

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
74/ 73											.1							1	1						
72/ 71											.1							1	1						
70/ 69											.1	.2	.1					4	4						
68/ 65											.1	.1						2	2						
64/ 63					.3	.1	.1	.1		.1								7	7						
62/ 61			.1		.1	.1		.2										5	5						
60/ 59			.2	.1		.6	.3	.6	.1									17	17						
58/ 57			.3	.6	.3	.6	.3	.1										20	20	5					
56/ 55				.7	1.3	.3		.3										25	25	4					
54/ 53	.2	.5	1.1	.7	.6	1.0	.5	.1										40	40	12 3					
52/ 51		.7	1.0	.8	.6	1.2	.8	.3										47	47	16 8					
50/ 49	.3	.8	1.6	2.1	1.0	1.6	.5	.1										70	70	38 12					
48/ 47	.5	2.1	2.4	1.8	1.7	1.2	.5											88	88	56 18					
46/ 45	1.5	3.6	2.2	2.3	2.7	2.1												124	124	93 42					
44/ 43	1.5	3.1	3.0	3.1	1.3	.7												108	108	83 52					
42/ 41	.9	3.8	6.1	2.7	1.5	.7												132	132	102 78					
40/ 39	.3	2.1	3.0	1.5	.8													66	66	121 59					
38/ 37		2.5	1.8	1.5	.8													58	58	120 69					
36/ 35	.1	.7	1.4	.6	.2													26	26	94 69					
34/ 33	.6	.8	1.2	.2														21	21	63 75					
32/ 31		.1	.3															4	4	34 66					
30/ 29		.1																1	1	23 63					
28/ 27																				5 63					
26/ 25																				43					
24/ 23																				55					
22/ 21																				30					
20/ 19																				23					
18/ 17																				17					
16/ 15																				12					
14/ 13																				4					
12/ 11																				2					
TOTAL	5.4	20.5	25.8	19.0	13.0	10.1	3.0	2.1	.6	.2	.1							867	867	867					
																		867		867					

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.						
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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

444 2 MISAWA AB JP

70-79

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31		Dry Bulb	Wet Bulb	Dew Point
68/ 67									.2									2	2		
66/ 65								.1										1	1		
64/ 63				.2			.1											3	3		
62/ 61							.1											1	1		
60/ 59			.2	.1	.2	.6	.3	.1										14	14		
58/ 57			.1	.5	.5		.2											11	11	2	
56/ 55		.2	.3	.5	.9	.1												18	18	3	
54/ 53	.1		.8	.8	.5	.5	.2											25	25	6	3
52/ 51	.2	.3	1.0	.1	.3	.3	.6	.1										27	28	19	7
50/ 49	.3	.2	1.2	1.2	1.0	.3	.1	.1										39	39	23	10
48/ 47	.7	1.6	2.2	.8	1.2	.8	.2											65	65	41	8
46/ 45	1.7	5.1	1.7	2.1	1.3	1.3												114	114	72	39
44/ 43	1.1	3.7	2.7	3.4	1.0	.5												106	106	96	55
42/ 41	1.0	4.7	7.6	3.3	1.5	.2												157	157	58	90
40/ 39	.5	3.7	3.6	1.9	.3	.2												88	88	108	49
38/ 37	.2	3.0	4.0	1.9	.5													82	82	139	63
36/ 35		1.6	1.9	1.6	.6													49	49	97	58
34/ 33	.2	.9	2.1	.9														36	36	84	74
32/ 31	.3	.2	1.2															15	15	49	78
30/ 29		.2	.1															3	3	39	75
28/ 27		.2	.1															3	3	22	53
26/ 25																				1	45
24/ 23																					63
22/ 21																					36
20/ 19																					17
18/ 17																					18
16/ 15																					5
14/ 13																					3
12/ 11																					3
10/ 9																					4
8/ 7																					1
TOTAL	6.5	26.0	30.8	19.2	9.9	4.9	2.0	.5	.2									859	860	859	
																		859		859	
Element (X)	Σx²		Σx		Σ		Σ²		No. Obs.		Mean No. of Hours with Temperature						Total				
Rel. Hum.	4491986		60254		70.1		17.591		859		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F					
Dry Bulb	1637961		37129		43.2		6.381		860			2.2	.2				90				
Wet Bulb	1343365		33591		39.1		5.893		859			11.6					90				
Dew Point	1011165		28575		33.3		8.405		859			42.2					90				

3489 FORM JUL 64
0-26.5 (OL A)
REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
USAFETAC

PSYCHROMETRIC SUMMARY

75-79

APR
MONTH

PAGE 1

A i i

HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUN 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

75-79

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

444

YEARS

2023-0262

NOV 11 1951

[illegible]

PSYCHROMETRIC SUMMARY

73-79

241

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26-5 (01-A)

WFO

JSAFETAC

PSYCHROMETRIC SUMMARY:

72-79

424

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0850

HOURS (L.S.T.)

[illegible]

0-26.5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

444 2 MISAWA AB JP

76-79

CAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

3900-1100
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
85/ 85													.1					1	1																
84/ 81												.1						1	1																
83/ 79									.1		.6	.2	.1					9	9																
82/ 77							.1		.4	.1	.3	.3						12	12																
81/ 75								.4	.2	.1	.3							13	10																
80/ 73						.2		.9	.4	.3	.2	.1						23	23																
79/ 71					.1	.2	.7	1.2	.4	.7	.4							34	34																
78/ 69			.1	.2	.3	1.3	1.7	1.0	.3	.6	.1							53	53																
77/ 67		.2	.3	1.4	1.4	1.4	1.1	1.1	1.1	1.0								73	73																
76/ 65		.1	.6	1.4	.8	1.8	1.1	.6	.3									65	60	2															
75/ 63		.3	1.4	1.7	1.9	1.4	.6	.6										71	72	10	1														
74/ 61		.1	1.9	2.7	1.6	1.7	.9	.6										72	72	34	2														
73/ 59		1.1	1.3	2.2	2.1	1.7	.7	.2										94	94	62	7														
72/ 57		1.1	1.9	1.6	2.3	1.1	.3	.3										77	77	86	20														
71/ 55	.1	1.1	2.2	1.9	1.9	.3	.2											76	70	103	22														
70/ 53	.6	1.8	2.4	1.6	1.1	.1												68	68	127	66														
69/ 51	1.6	1.4	2.9	1.2	.8													71	71	151	89														
68/ 49	.6	1.3	.7	.9	.3	.1												35	35	110	97														
67/ 47	.4	.7	.4	.3	.3													23	20	100	87														
66/ 45	.8	.3	.1	.1														12	12	46	104														
65/ 43	.8	.9																15	15	32	83														
64/ 41	.1	.6	.7															12	12	17	93														
63/ 39		1.3	.2															11	11	7	50														
62/ 37																				14	46														
61/ 35																					53														
60/ 33																					32														
59/ 31																					23														
58/ 29																					11														
57/ 27																					11														
56/ 25																					3														
55/ 23																					1														
TOTAL	4.9	11.2	13.6	14.2	16.3	11.2	9.1	8.2	4.9	3.2	2.0	.8	.2						901																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

444 2 MISAWA AB JP

78-79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
54/ 53												.2	.1	.1				4		4						
52/ 51													.1					1		1						
50/ 49								.1		.2	.3	.1	.2					9		9						
48/ 47							.3	.1	.9	.9	.8	.4						31		31						
46/ 45							.7	1.1	.7	.7	.1							29		29						
44/ 43						.2	.3	.7	1.6	.1	.9	.1						35		35						
42/ 41				.1	.3	.7	1.0	.7		.3								28		28						
40/ 39				.3	1.4	1.7	1.0	.5	.3	.1								43		43						
38/ 37				.5	.8	1.7	1.1	1.2	1.1	.4								62		62	2					
36/ 35			.2	.8	2.0	1.2	1.1	1.2	.8	.6								71		71	2					
34/ 33		.3	.7	1.9	1.1	1.9	1.3	.7	.8	.2								80		80	6					
32/ 31	.1	.4	.7	1.4	2.8	1.0	1.4	.3	.3									77		77	42	1				
30/ 29	.1	1.2	2.7	3.1	1.8	2.9	1.1	.7	.1									116		116	77	15				
28/ 27	.3	1.2	2.2	1.8	1.3	.1	.1											54		64	137	23				
26/ 25	.6	1.9	2.3	1.9	.2													62		62	136	26				
24/ 23	.7	1.3	1.7	1.4	.9		.1											54		54	117	51				
22/ 21	.8	1.0	1.4	1.1														39		39	136	75				
20/ 19		1.0	1.2	.9														28		28	119	61				
18/ 17	.1	.9	.3	.6														17		17	84	102				
16/ 15	1.2	.1	.1	.2														15		15	48	118				
14/ 13	.2	1.1	.1	.1														14		14	17	65				
12/ 11	.2	.3	.1															15		15	16	120				
10/ 9		.3																3		3	8	56				
8/ 7		.1																3		3	8	44				
6/ 5																						3	51			
4/ 3																							25			
2/ 1																							16			
0/ 0																							11			
23/ 27																							8			
26/ 25																							8			
24/ 23																							4			
TOTAL	3.4	9.2	12.7	16.1	13.1	11.3	9.2	7.7	8.5	4.1	3.6	1.0	.4	.1				900		900		900				
																		900		900						
Element (X)	Σx ²		Σx		Σ		Σ		Σ		No. Obs.		Mean No. of Hours with Temperature										Total			
Rel. Hum.	34494.49		52507		58.3		20.725		900		± 0 F		± 32 F		± 67 F		± 73 F		± 80 F		± 93 F					
Dry Bulb	34540.43		55195		61.3		8.764		900				25.9		11.3		1.1						93			
Wet Bulb	25256.81		47434		52.1		5.346		900						.2								93			
Dew Point	18435.71		40221		44.7		7.161		900				4.9										93			

USAFETAC FORM 44 JUL 64 0-26-5 (OL A) REPRODUCED WITHOUT INQUIRY TO THE FORM AIR OBSOLETE

PSYCHROMETRIC SUMMARY:

YEARS

MAY
MONTH

1500-1700

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
77/ 53														.1				1	1																
82/ 81												.3	.1					4	4																
87/ 79										.1								1	1																
78/ 77									.4	.2	.5	.2						13	13																
76/ 75						.1		.5	.8	.4	.7	.1						24	24																
74/ 73						.3	.3	.7	1.0	.3	.3							27	27																
72/ 71					.3	.2	.5	.9	1.2	.2	.1	.2						33	33																
71/ 69				.1	.1	.2	1.1	1.2	1.0	.3	.5							42	42																
68/ 67				.1	.4	.4	.8	.8	.7	1.1								39	39																
66/ 65		.1	.2	.2	.9	.9	.6	.7	.4	.9								46	46	1															
64/ 63		.2	.3	1.1	1.9	1.0	1.3	1.1	.9	.4								75	75	12															
62/ 61		.2	.7	1.4	2.5	.6	1.1	.4	.3	.1								68	68	24	2														
60/ 59	.3	.7	2.5	2.3	2.7	2.1	2.0	.9	.2									125	125	45	13														
58/ 57		1.5	1.8	2.1	1.8	1.3	.8	.1										85	85	89	11														
56/ 55	.5	.7	2.6	2.3	1.5	.2		.1										73	73	116	36														
54/ 53	.2	1.9	2.6	1.1	1.0	.2												64	64	106	36														
52/ 51	1.0	1.9	2.3	1.5														61	61	135	73														
51/ 49	.2	.9	1.4	1.3		.1												36	36	130	85														
49/ 47	1.0	.5	.9	.7	.3													31	31	108	103														
48/ 45	1.4	1.0	.2	.3	.1													28	28	73	111														
44/ 43	.2	.5	.2	.1														10	10	29	79														
42/ 41	.2	.4	1.2															17	17	16	103														
41/ 39		.5																5	5	10	59														
38/ 37		.3																3	3	14	61														
35/ 35																				5	39														
34/ 33																					39														
32/ 31																					14														
30/ 29																					16														
28/ 27																					15														
26/ 25																					4														
24/ 23																					7														
22/ 21																					3														
TOTAL	5.2	11.4	17.0																																

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

444.2 MISAWA AB JP

7C-79

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point					
76 / 75									.1	.1	.2							4	4						
74 / 73						.1					.1							2	2						
72 / 71						.2		.1	.3	.2								8	8						
70 / 69						.1	.2	.2	1.0	.1	.6							23	20						
68 / 67						.3	.2	.6	.3	.3	.1							17	17						
66 / 65				.1	.6	.2	.9	1.2	.7	.3	.1							37	37	1					
64 / 63		.1	.3	.3	.5	1.8	.8	.8	.8	.1								43	43	3					
62 / 61		.1	.2	.4	1.1	.6	.4	.6	.6	.4								35	35	9	1				
60 / 59	.3	.7	1.7	2.5	1.7	1.3	1.7	.7	.4									99	99	14	8				
58 / 57		1.4	1.7	1.3	1.5	1.3	.3											69	69	33	9				
56 / 55	.3	2.5	2.2	1.2	2.4	1.0	.3	.1										87	87	72	20				
54 / 53	1.5	2.6	3.7	1.1	1.9	.3	.3											105	105	116	37				
52 / 51	1.2	2.9	5.1	1.8	.7	.1												106	106	104	75				
50 / 49	1.4	3.4	2.9	1.0	.4	.2	.1											86	87	149	59				
48 / 47	1.9	2.6	2.3	.8	.3	.1												73	73	150	107				
46 / 45	1.8	2.1	2.2	.3	.2													60	60	115	149				
44 / 43	.7	1.2	.7	.7														27	27	65	60				
42 / 41		.7	1.2															17	17	34	104				
40 / 39		.7	.4															10	10	13	63				
38 / 37		.3																3	3	23	52				
36 / 35																				7	53				
34 / 33																					27				
32 / 31																					19				
30 / 29																					16				
28 / 27																					7				
26 / 25																					4				
24 / 23																					5				
22 / 21																					3				
TOTAL	9.1	21.0	24.7	12.0	11.3	8.0	6.1	4.5	2.1	1.1								908	908	908	908				
Element (X)	Z _x ¹	Z _x	X	σ _x	No. Obs.	Mean No. of Hours with Temperature																			
Rel. Hum.	4867604	64024	70.5	19.734	908	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total													
Dry Bulb	2745171	49539	54.5	7.069	909			5.2	.6				93												
Wet Bulb	2224286	44706	49.2	5.053	908								93												
Dew Point	1793494	39872	43.9	6.856	908			5.5					93												

PSYCHROMETRIC SUMMARY

75-79

514

PAGE : 2100-2100
NOV 15 1964

JSAFETAC
FORM
0-26-5 (OIA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

4 A Y
MONTH

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

444-2 MISAWA AE JP

75-79

JUN
MONTH

PAGE 1

0000-0200
HOURS (L.S.T.)

PSYCHROMETRIC SUMMARY

70-79

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-79

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-70

JUN
MONTH

PAGE 1

3900-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

444-2
STATIO

MISAWA AB JP

75-79

JUN
MONTH

PAGE 1

1203-1405
HOURS (L. S. T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL A)

JUL 64
FORM 64

USAFETAC

PSYCHROMETRIC SUMMARY

72-79

JUN
MONTH

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-79

JUN
MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

72-79

JUN
MONTH

STATION

STATION NAME

YEARS

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

7E-79

JUN
MONTH

STAT.2M

STATION NAME

YEARS

PAGE 1

211

ALL
HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

444 2 MISAWA AB JP

70-9

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
84/ 83								.1										1	1						
82/ 81						.2												2	2						
80/ 79				.1	.4	.1												6	6						
78/ 77			.4	.8	.7													17	17						
76/ 75		.8	2.9	.3	.2	.1												39	39						
74/ 73		1.4	1.5	.9	.7													41	41	15	2				
72/ 71	1.3	4.0	2.2	.6	.6													78	78	75	36				
70/ 69	2.5	2.0	1.0	.5														55	55	83	91				
68/ 67	3.1	2.2	3.1	.8	.3													84	84	83	72				
66/ 65	2.3	5.7	1.7	.4														92	92	83	66				
64/ 63	4.8	8.1	1.4	.3														140	140	132	121				
62/ 61	3.4	6.3	1.8	.2														106	106	129	123				
60/ 59	7.4	4.6	1.1															119	119	129	178				
58/ 57	3.5	3.2	.2	.1														64	64	81	69				
56/ 55	1.1	2.9	.4															40	40	48	56				
54/ 53	.2	1.1	.6															17	17	29	40				
52/ 51		.4																4	4	12	12				
50/ 49		.1																1	1	8	9				
48/ 47		.1	.1															2	2		11				
46/ 45																				2					
44/ 43																					1				
42/ 41																					1				
TOTAL	29.64	3.61	8.3	5.1	2.9	.4		.1										908	908	908	908				

PSYCHROMETRIC SUMMARY

73-79

444

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500.
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-79

..j224

434

STATION NAME

YEARS

NOTES

2461

0600-0300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

72-79

444

PAGE : 0900-1100

2000

[illegible]

JSAFETAC FORM 0-26-5 (OL A) REWARD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

444-2 HIS/NA AS JP

75-79

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-79

jul

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. S. T.)

[illegible]

FORM 9-26-5 (QLA)
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USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

JUL
MONTH

1825-2000

HOURS (L, S, T.)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM
NO. 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

MONTH

USAFETAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY:

24 44 2
STATIC

MISAWA AE JP

70-79

JUL
MONTH

STATION

STATION NAME

YEARS

PAGE 1

A11

ALL
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-79

436

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0650-2200

HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

PAGE : 3300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

4442 MTSANA AG JP

73-79

AUG

STATION

STATION NAME

YEARS

**ADJ
MONTH**

PAGE 1

2600-0300
HOURS (L.S.T.)

[illegible]

PSYCHROMETRIC SUMMARY

75-79

416

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1270-1446

1220-140
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

[illegible]

PSYCHROMETRIC SUMMARY:

70-19

2005
MONTH

PAGE 4

100-2000
MAY 11 1964

[illegible]

USAFETAC
FORM
#1-A
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

72-79

21

5747-06

5-AT-24 KAMH

YE 409

MONITOR

PAGE 1

242-2321

THE

[illegible]

PSYCHROMETRIC SUMMARY

426

152451

ALL

1943

[illegible]

USAFETAC FORM
JAN 67 **0-26-5 (OL A)** REVIEW METHODS (PORTION OF THE FORM ARE OBLITERATED)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

444 2 MISAWA AB JP

70-79

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2000-0250

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-11	12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point				
82 / 81					.1													1	1						
81 / 79					.1													1	1						
79 / 77			.2	.4	.2													6	6						
76 / 75		.2	.1		.2													5	5						
74 / 73		.1	.6	.8		.3												16	16	7	2				
72 / 71	.1	.3	.8	.2	1.0	.2												24	24	5	5				
71 / 69	.8	2.3	2.7	.3	.3													57	57	18	14				
68 / 67	1.4	.7	3.5	1.1	.5	.1												64	64	55	31				
66 / 65	1.8	2.9	1.8	.9	.8													69	69	68	41				
64 / 63	2.4	4.2	4.4	2.5	.7													125	125	81	85				
62 / 61	2.0	5.0	6.8	2.4														143	143	104	60				
61 / 59	.6	9.0	6.9	3.2	.6													170	170	137	119				
58 / 57	1.0	1.9	4.3	1.5	.1													78	78	155	118				
56 / 55		2.3	2.4	1.1														51	51	99	97				
54 / 53		1.0	.8	.8														23	23	63	70				
52 / 51		1.8	1.6	.1														31	31	51	94				
51 / 49	.1	1.0	.5															14	14	45	54				
48 / 47	.2	.5																6	6	23	33				
46 / 45																				3	32				
44 / 43																					24				
42 / 41																					4				
41 / 39																					1				
TOTAL	16.4	31.8	37.3	15.2	4.6	.7												884	884	884	384				
		</																							

FORM 0-26-5 (OL A)

USAFETAC

3509

PSYCHROMETRIC SUMMARY

78-79

SEP
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 C696-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

79-79

STATION

STATION NAME

YEARS

250

MONTH

PAGE 1

1950-1157

HOURS (L S T)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0-26-5 (OL-A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 1200-1400

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY:

SEP
MONTH

1800-2000
HOURS (L. S. T.)

REPRODUCED FROM THE ORIGINAL

0-26-5 (OL A)

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

[illegible]

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

444 2 MISA A A2 JO

7J-79

27

STATION

STATION NAME

YEARS:

MONTH

PAGE 1

ALL

HOURS (L S. T.)

PSYCHROMETRIC SUMMARY

JCT

MONTH

0204-0200

JOHN S. T.

[illegible]

PSYCHROMETRIC SUMMARY.

75-79

257

STAT 24

STATION NAME

TEARS

MONTH

PAGE 1

3352-2505

HOURS (L. S. T.)

[illegible]

RECEIVED BY THE DIRECTOR, FBI, 11/11/64

0-26-5 (OLA)

USAFETAC

PSYCHROMETRIC SUMMARY

70-79

557

STAT-79

STATION NAME

YEARS

MONTH

PAGE 1

7622-0822

HOURS (L. S. T.)

[illegible]

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AF WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

44 2 MISAWA AB JP 70-79 OCT
STATION STATION NAME YEARS MONTH
PAGE 1 0900-1100
HOURS TL. S. T. T

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																							TOTAL	TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point					
76/ 75					.1	.1												2	2							
74/ 73					.1	.1	.3	.1										7	7							
72/ 71			.1		.2	.7	.3											12	12							
70/ 69		.1	.3	.2	.9	1.5	.4	.3	.1									36	36				2			
68/ 67		.1	.7	.8	1.4	1.0	.2	.3										41	41				3			
66/ 65		.3	.7	.9	2.4	.9	2.1	.1										67	67				3			
64/ 63		.3	2.1	2.1	2.8	5.6	1.0	.7										136	136			21	5			
62/ 61		1.1	.8	3.3	4.7	3.1	1.3											123	123			47	15			
60/ 59	.3	1.1	1.5	3.3	2.3	4.5	1.2	.3										130	130			67	26			
58/ 57		1.0	1.7	2.3	2.5	2.3												90	90			33	43			
56/ 55	.1	.8	.9	1.9	2.5	1.0	.1											66	66			100	42			
54/ 53	.2	1.0	1.8	3.1	1.5	.7												75	75			162	55			
52/ 51	.4	.3	1.2	1.7	1.4	.2												48	48			100	54			
50/ 49	.1	.2	1.1	2.0	1.0	.1												41	41			107	91			
48/ 47		.2	.6	.9	.2	.1												18	18			91	62			
46/ 45		.4	.1	.2														7	7			45	102			
44/ 43		.1	.1	.4														6	6			46	65			
42/ 41			.1	.3														4	4			14	120			
40/ 39																						4	51			
38/ 37																						5	57			
36/ 35																						3	37			
34/ 33																								21		
32/ 31																								14		
30/ 29																								3		
28/ 27																								7		
26/ 25																								2		
TOTAL	1.2	7.6	13.6	23.5	22.1	6.8	1.9	.1										909	909			909	909			

USAFETAC FORM 0-26-5 (OL A) 35154, REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

ECT

MEATS

1200-1400

1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 26

[illegible]

PSYCHROMETRIC SUMMARY

4442	MISAWA AB JP
STATION	STATION NAME

70-79

YEARS

OCT
MONTH

PAGE 1 1570-1740
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

73-79

JCT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1862-2528

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

7-75

STATION

STATION NAME

YEARS

501

MONTH

PAGE 1 2100-2300

40 HRS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

444.2 MISAWA AB JP

73-72

SCT

STATION

STATION NAME

YEARS

50
MONTH

PAGE 1

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

444-2 MISAWA AB JP

70-79

N2V

STATION

STATION NAME

YEARS

MONTH

PAGE 1

7000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

70-79

NOV
MONTH

PAGE 1

0370-0500

HOURS (L - S - T -)

[illegible]

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.26.5 (OLA)

FORM 940
JAN 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

ACV
MONTH

PAGE 1 1601-0600
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

444 2 HISAKA AG JP

7J-79

nov

STATION

STATION NAME

YEARS

LAOCH T H

PAGE 1

3906-1100
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

4442	MISANA AB JP
STATION	STATION NAME

74-79

YEARS

NCV
MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
72/ 71							.1											1	1					
71/ 69						.1	.2											3	3					
68/ 67					.1		.2											3	3					
66/ 65					.1		.3	.2										8	8					
64/ 63		.2		.3	.4	.8	.6			.1								22	22					
62/ 61		.2	.2	.2	.5	.6	.8											20	20	3				
59/ 59	.1	.2	.2	.6	.9	2.0	1.1	.6										51	51	8	6			
56/ 57		.3	.4	.7	1.8	2.5	.9											59	59	14	1			
55/ 55	.2	.2	.2	1.0	3.5	2.1	.9											73	73	14	8			
54/ 53	.2	.3	.3	2.7	2.6	1.6	.4	.1										74	74	30	11			
52/ 51	.7	.8	1.1	2.0	2.5	2.6	.6											91	91	45	14			
51/ 49	.4	.2	.4	1.9	2.8	3.4	.6											87	87	64	16			
49/ 47	.2	.2	1.1	1.6	4.9	1.7												87	87	94	24			
46/ 45	.3	1.5	1.1	1.8	6.7	1.1												88	88	92	26			
44/ 43		.6	.9	2.8	1.1	.6												52	52	94	37			
42/ 41		1.1	1.1	2.5	2.1													60	60	94	86			
41/ 39		.6	.9	1.1	.2													25	25	119	70			
36/ 37		.6	1.2	.3														19	19	64	62			
35/ 35		.8	1.2	.1														19	19	54	71			
34/ 33		.7	.8	.1														14	14	37	61			
32/ 31	.1	1.1	.7															17	17	30	52			
31/ 29	.1	.3	.3															7	7	14	99			
28/ 27	.3	.6	.2															10	10	14	85			
26/ 25		.2																2	2	5	70			
24/ 23		.1																1	1	3	59			
22/ 21																				1	19			
20/ 19																					6			
18/ 17																					5			
16/ 15																					3			
TOTAL	2.6	10.9	12.7	19.7	27.7	18.9	6.2	1.1		.1									893		893			
																			893		893			

PSYCHROMETRIC SUMMARY

73-79

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700
MAY 11 1961

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point			
69 / 69							.1											1	1					
68 / 67					.1		.2	.1	.1									1	1					
66 / 65			.1	.1	.1	.2	.1	.1										7	7					
64 / 63				.1	.2	.1	.1											5	5					
62 / 61			.2	.3	.3	.3	.1	.1										13	13	2				
61 / 59		.7	.2	.5	1.0	.3	.3	.2										33	33	5	4			
58 / 57		.3	.5	.5	1.2	.6	.2											29	29	10	3			
56 / 55	.1	.7	.3	1.4	2.3	.8	.3											52	52	13	5			
54 / 53	.5	.2	.9	2.6	2.7	.6	.2											68	68	29	13			
52 / 51	.9	.6	2.5	2.5	1.9	.7	.1											81	81	25	18			
51 / 49	.6	.5	1.8	1.4	2.3	.8												62	62	56	13			
48 / 47	.5	.6	1.5	2.8	4.3	.7												91	91	82	21			
46 / 45	.1	1.1	3.2	4.8	3.2	.6												114	114	83	44			
44 / 43		1.0	2.4	3.3	1.4	.1												72	72	73	46			
42 / 41	.1	1.8	1.9	4.3	1.1	.1												83	83	97	65			
41 / 39	.2	.6	2.3	2.2	.1													45	45	113	55			
38 / 37		.3	1.5	1.2														27	27	71	74			
36 / 35		.6	1.9	.1														23	23	67	67			
34 / 33	.3	1.1	.8															20	20	49	55			
32 / 31	.2	.8	.8															16	16	47	67			
31 / 29	.1	1.2	.3															15	15	25	81			
28 / 27	.7	1.0	.2															17	17	18	31			
26 / 25	.1	.3																4	4	5	78			
24 / 23		.5																4	4	3	54			
22 / 21																				4	10			
21 / 19																					8			
19 / 17																					10			
15 / 15																					1			
TOTAL	4.4	13.9	23.1	28.0	22.1	5.9	2.2	.5										883	883	883	883			
Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature																		
Rel. Hum.	3968399	57653	65.3	15.201	883	≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total												
Dry Bulb	1974912	41138	46.6	8.133	883		5.7	.2				96												
Wet Bulb	1564758	36632	41.5	7.143	883		10.4					90												
Dew Point	1135937	30795	34.9	8.381	883		39.8					90												

PSYCHROMETRIC SUMMARY

70-79

NCV
MONTH

PAGE 1 16CG-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

4442	MISAWA AE JP
STATION	STATION NAME

72-79

YEARS

$$\frac{NCV}{MONTH}$$

PAGE 1 2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

44 2 MISAWA AB JP

73-79

25

5141-24

STATION NAME

YEARS

43
MCMY

PAGE 1

● ● ●

MOUSE 11-5-71

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	31	O.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
72/ 71							.0	.1										2	2																
71/ 69							.0	.1										5	5																
69/ 67						.1	.0	.0	.1									5	5																
66/ 65			.0	.1	.1	.0	.1	.1										20	20																
64/ 63		.0	.0	.2	.2	.2	.1			.0								51	51																
62/ 61		.1	.1	.3	.2	.2	.1	.0		.0								68	68	11															
59/ 59	.1	.3	.1	.5	.4	.5	.3	.1										157	157	26	13														
59/ 57	.1	.3	.3	.3	.8	.5	.2											173	173	57	29														
56/ 55	.1	.5	.3	.3	1.2	.5	.2											259	259	70	29														
54/ 53	.2	.3	.9	1.2	1.1	.4	.1	.1										296	296	147	72														
52/ 51	.5	.3	2.0	1.7	1.1	.5	.1											467	467	180	95														
50/ 49	.4	.9	1.7	1.5	1.1	.7	.1											456	456	363	114														
47/ 47	.4	1.0	1.9	1.7	2.0	.5	.0											521	521	467	177														
46/ 45	.3	1.7	3.2	3.0	2.0	.3												742	742	528	282														
44/ 43	.2	1.9	2.7	3.2	.7	.1												617	617	508	272														
42/ 41	.3	2.5	4.7	3.9	.7	.0												854	854	671	505														
41/ 39	.2	2.6	3.8	2.4	.0													639	639	768	493														
38/ 37	.1	2.2	3.4	1.1														476	476	827	496														
36/ 35	.0	1.8	3.2	.4														383	383	736	580														
34/ 33	.5	1.5	2.2	.1														310	310	630	540														
32/ 31	.2	1.7	.8	.0														190	190	452	546														
31/ 29	.1	1.9	.5															179	179	319	697														
28/ 27	.5	1.2	.2															126	126	200	772														
26/ 25	.3	.4	.0															49	49	83	597														
24/ 23	.1	.4																30	31	27	518														
22/ 21																				27	123														
21/ 19																					69														
18/ 17																					43														
15/ 15																					13														
14/ 13																					4														
TOTAL	4.224	132.022	011.6	4.5	1.3	.2		.0										7079	7089		7079														

PSYCHROMETRIC SUMMARY

004 2 MISA#2 AB JP

69-72

25C

STATION

STATION NAME

YEARS

MECHANISM

PAGE 1

702-2200

1993 11 11

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
54/ 53				.1	.1	.2												4	4																
52/ 51			.2	.2														4	4																
57/ 50			.4	.2														6	6																
55/ 47		.3	.5	.1														9	9	9															
48/ 45		.4	1.0	.5														18	18	13	1														
55/ 43	.1	.9	1.3	.3	.1													25	25	13	11														
52/ 41	.1	1.5	2.3	1.0	.1													46	46	21	14														
57/ 39		1.4	2.1	.7														38	38	31	7														
38/ 37	.1	2.5	3.2	1.4	.3													69	69	36	24														
36/ 35	.2	3.2	3.2	1.3	.1													73	73	57	32														
30/ 33	1.3	1.9	3.9	1.1														75	75	64	49														
72/ 31	.5	1.3	5.7	1.3														99	99	75	47														
37/ 29	.4	5.3	4.3	.9														105	100	101	63														
28/ 27	2.0	9.9	2.2															129	129	133	53														
25/ 25	1.5	6.6	.7															21	21	154	79														
24/ 23	1.7	6.9	.3															56	86	89	139														
22/ 21	.5	2.9	.8															39	39	52	98														
21/ 19	.4	1.0																13	13	39	109														
18/ 17	.1	.1																2	2	12	90														
18/ 15																					46														
14/ 13																					23														
12/ 11																					22														
11/ 9																					2														
8/ 7																					4														
TOTAL	9.346	132.4	9.2	.8	.2													916	916	916	916														

PSYCHROMETRIC SUMMARY

59-78

DEC
MONTH

PAGE 1 0370-0500
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point															
4/ 53					.1													1	1																	
2/ 51				.1	.1	.1												3	3																	
5/ 49			.4	.1	.1													6	6																	
2/ 47		.4		.1														5	5	4																
45/ 45		.3	.3	.5														17	17	11	2															
14/ 43		.8	1.5	.1														22	22	13	8															
7/ 41		1.4	2.4	1.1														5	49	16	11															
4/ 39	.1	1.8	1.8	.7														39	39	31	11															
7/ 37	.2	2.3	2.7	1.8	.1													65	65	42	22															
35/ 35	.2	2.8	2.9	1.5	.1													69	69	48	34															
34/ 33	1.3	2.2	4.2	1.1														80	80	79	50															
72/ 71	.3	3.4	4.6	1.1														77	77	73	33															
35/ 29	.4	.8	4.7	.7														124	124	113	46															
26/ 27	2.7	8.3	1.7															113	118	134	74															
25/ 25	1.2	7.6	.9															87	87	133	82															
24/ 23	1.5	7.8	.3															90	90	93	132															
22/ 21	1.1	5.7	.9															48	48	71	103															
19/ 19	.2	1.3																14	14	39	115															
17/ 17	.3																	3	3	13	90															
16/ 16																				2	43															
14/ 13																					26															
12/ 11																					22															
11/ 9																					6															
8/ 7																					3															
TOTAL	9.151	5.29	9	8.9	.5	.1												913	913	913	913															

Element (X)	Σx^2	Σx	\bar{x}	s_x	No. Obs.	Mean No. of Hours with Temperature						
Rel. Hum.						≤ 0 F	≤ .2 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total
Dry Bulb	924014	28562	31.3	6.663	913		57.1					93
Wet Bulb	860354	2948	29.0	6.097	913		68.3					93
Dew Point	574753	21963	24.1	7.134	913		78.9					93

USAFETAC
0-26-5 (OLA)
REVISED MAY
, EDITIONS OF THIS JULY 481 ONSLIC

PSYCHROMETRIC SUMMARY

69-78

650

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0650-08001

HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 1 0930-1100
HOURS (L. S. T.)

USAFETAC FORM JUL 84 C-75.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

444 2 MISA A AE JP

69-78

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

Temp (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
64/ 63																		2	2	
62/ 61																		3	3	
58/ 57																		7	7	
56/ 55																		5	5	
54/ 53																		11	11	
52/ 51																		23	23	1
5 / 49																		22	22	9
48/ 47																		53	53	21
46/ 45																		53	53	23
44/ 43																		31	31	31
42/ 41																		78	78	40
4 / 39																		57	57	56
36/ 37																		91	91	54
36/ 35																		95	95	71
34/ 33																		99	99	93
32/ 31																		68	68	102
3 / 29																		84	84	155
28/ 27																		74	74	92
26/ 25																		36	36	96
24/ 23																		24	24	51
22/ 21																		1	1	20
2 / 19																				4
18/ 17																				
16/ 15																				
14/ 13																				
12/ 11																				
10/ 9																				
8/ 7																				
TOTAL	1.7	22.9	29.3	26.3	15.9	3.3	.1	.4										917	917	917
Element (X)	Σ X'		Σ X		X		X		No. Obs.		Mean No. of Hours with Temperature							Total		
Rel. Hum.	3826779		57795		63.0		14.180		917		≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F				
Dry Bulb	1308724		33894		37.0		7.815		917									93		
Wet Bulb	1010944		29864		32.6		6.471		917									93		
Dew Point	618125		22819		24.9		7.409		917									93		

USAFETAC FORM 0-26-5 (OL A) REVISD PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

444 2 MISAWA AB JP
STATION STATION NAME

69-78 YEARS

DEC
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL D.B.-W.B.	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥31	Dry Bulb	Wet Bulb	Dew Point																
59 / 59							.1																										1	1		
58 / 57					.3																												3	3		
56 / 55				.1	.3																												4	4		
54 / 53		.1		.2	.5																												8	8		
52 / 51		.2	.1	.8	.1																												11	11	1	
5 / 49			.2	.7	.1	.1																											12	12	7	3
43 / 47		.4	.4	1.1	1.5	.3																											35	35	9	
46 / 45		.3	2.1	2.4	1.3	.2																											58	58	18	4
44 / 43		1.0	1.4	2.1	.4																												45	45	23	4
42 / 41		1.1	2.2	2.5	1.2																												64	64	49	14
4 / 39		1.1	1.6	2.3	.2																												48	48	56	25
38 / 37	.3	.7	2.3	2.7	.8																												62	62	57	35
36 / 35	.3	1.5	3.4	4.1	.4																												90	90	54	33
34 / 33	.4	1.7	4.5	3.6	.1																												95	95	69	41
32 / 31	.3	1.1	4.3	1.2																													61	61	87	46
3 / 29	.3	4.6	5.8	.9																													106	106	121	47
26 / 27	.7	5.3	4.1	.3																													96	96	122	64
26 / 25	.4	3.8	1.7																														55	55	121	59
24 / 23	.4	4.9	.7																														55	55	69	146
22 / 21	.4	.5	.1																														10	10	51	114
2 / 19		.1																															1	1	8	106
18 / 17																																			1	81
16 / 15																																				47
14 / 13																																				19
12 / 11																																				22
10 / 9																																				6
8 / 7																																				4
6 / 5																																				1
TOTAL	3.7	28.5	34.6	24.9	7.4	.7	.1																										918	918	918	

PSYCHROMETRIC SUMMARY

DEC

MONTH

1874-2500

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY:

59-76

210

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

444 2 MISA A AS JD

59-72

370

STATION

STATION NAME

YEARS

MONITOR

PAGE 1

A11

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																															TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point														
64/ 63																		2	2																
62/ 61						.0	.0	.0										4	4																
60/ 59							.0											1	1																
58/ 57				.0	.0	.1												14	14																
56/ 55			.0	.0	.1	.1												17	17																
54/ 53		.0	.1	.1	.3	.0	.0											37	37																
52/ 51		.0	.2	.3	.1	.1	.1											60	60	4															
50/ 49		.0	.3	.4	.2	.1												74	74	22	3														
48/ 47		.3	.5	.5	.7	.2												160	160	61	4														
46/ 45	.1	.6	1.1	1.1	.6	.1												258	258	123	26														
44/ 43	.1	.8	1.2	1.2	.6	.1												267	267	152	59														
42/ 41	.1	1.3	2.3	1.7	.7	.0												442	442	215	103														
40/ 39	.1	1.4	2.1	1.6	.3													398	398	322	130														
38/ 37	.2	1.6	2.6	2.3	.6													534	534	389	207														
36/ 35	.2	2.2	3.1	2.7	.2													625	625	465	265														
34/ 33	1.1	2.1	4.7	1.8	.1													714	714	653	345														
32/ 31	.4	2.8	4.6	1.2														662	662	697	344														
30/ 29	.4	4.8	3.2	1.1														833	833	936	470														
28/ 27	1.3	7.6	2.7	.1														859	859	932	531														
26/ 25	.7	5.2	1.5															539	539	1039	577														
24/ 23	1.1	5.8	.7															559	559	651	1062														
22/ 21	.4	1.9	.3															189	189	412	880														
20/ 19	.2	.6	.1															63	63	194	823														
18/ 17	.1	.2																22	22	55	641														
16/ 15	.0	.1																4	4	16	393														
14/ 13																				2	223														
12/ 11																					160														
10/ 9																					61														
8/ 7																					24														
6/ 5																					6														
TOTAL	6.2	39.3	33.1	6.2	4.3	.8	.1	.1										7337	7337	7337	7337														
Element (X)	Σx^2	Σx	\bar{x}	σ_x	No. Obs.	Mean No. of Hours with Temperature																													

PSYCHROMETRIC SUMMARY

69-79

218

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L, S, T, J)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																											TOTAL		TOTAL	
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27	28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
94/ 93									.1	.1									8	8											
92/ 91								.1	.1	.1									22	22											
90/ 89						.1	.1	.1	.1	.1									82	82											
88/ 87						.1	.1	.1	.1	.1									149	149											
86/ 85			.1	.1	.1	.1	.1	.1	.1	.1				.1					262	262											
84/ 83			.1	.1	.1	.1	.1	.1	.1	.1		.1	.1	.1	.1				367	367											
82/ 81		.1	.1	.2	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1				564	564	1										
80/ 79		.1	.1	.2	.2	.2	.1	.1	.1	.1	.1	.1	.1	.1	.1				658	658	34	3									
78/ 77	.1	.1	.3	.5	.5	.5	.1	.1	.1	.1	.1	.1	.1	.1	.1				1334	1334	276	34									
76/ 75	.1	.1	.4	.4	.3	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1				1398	1398	739	183									
74/ 73	.1	.3	.5	.5	.3	.2	.1	.1	.1	.1	.1	.1	.1						1846	1846	1236	519									
72/ 71	.2	.5	.7	.4	.5	.1	.1	.1	.1	.1	.1	.1	.1						2262	2262	1675	1257									
70/ 69	.3	.6	.9	.4	.3	.2	.1	.1	.1	.1	.1	.1							2679	2679	2049	1874									
68/ 67	.4	.4	1.0	.6	.4	.2	.1	.1	.1	.1	.1	.1							2822	2822	2643	1919									
66/ 65	.4	1.2	.8	.5	.4	.2	.2	.1	.1	.1	.1								3304	3304	2561	2088									
64/ 63	.6	1.6	1.0	.8	.4	.4	.2	.1	.1	.1	.1								4411	4411	3551	3094									
62/ 61	.4	1.1	.3	.6	.4	.2	.1	.1	.1	.1									3219	3219	3636	2770									
60/ 59	.8	1.6	1.2	.3	.4	.4	.2	.1	.1	.1									4754	4754	3491	4452									
58/ 57	.7	.8	.7	.5	.4	.3	.1	.1	.1										3125	3125	3934	3149									
56/ 55	.5	.9	.6	.7	.4	.2	.1	.1	.1										2946	2946	3244	2723									
54/ 53	.4	.7	.9	.5	.4	.2	.1	.1	.1										2740	2740	3177	2638									
52/ 51	.4	.7	1.1	.6	.3	.2	.1	.1											2640	2641	2852	2844									
50/ 49	.4	.6	.7	.5	.4	.2	.1	.1											2490	2491	3308	2293									
48/ 47	.3	.7	.7	.5	.5	.2	.1	.1											2507	2507	2984	2459									
46/ 45	.3	1.0	.9	.8	.5	.2	.1												3154	3154	2977	2847									
44/ 43	.2	.8	.7	.9	.2	.1	.1												2499	2499	2749	2338									
42/ 41	.1	1.1	1.5	.9	.4	.1	.1												3599	3601	2642	3195									
40/ 39	.1	1.0	1.1	.9																											

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 100-100

PSYCHROMETRIC SUMMARY

69-79

411

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

44432 MISA-A AB JP

69-79

STATION		STATION NAME												YEARS	
HRS LST		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-02	MEAN	27.2	27.4	31.5	41.8	49.9	57.1	64.7	69.0	61.9	51.3	41.1	31.7	46.4	
	S D	6.002	6.579	6.033	6.693	6.060	5.072	6.053	5.375	5.562	6.544	7.047	6.877	15.569	
	TOTAL OBS	905	822	904	862	915	864	908	915	884	916	886	916	10597	
03-05	MEAN	26.9	26.7	30.6	40.8	49.1	56.5	64.1	68.0	60.7	50.2	40.5	31.3	45.6	
	S D	6.108	6.925	6.030	6.694	6.274	5.024	6.003	5.479	5.791	6.545	7.193	6.663	15.491	
	TOTAL OBS	906	825	901	861	918	864	901	917	888	921	882	913	10697	
06-08	MEAN	27.0	26.6	31.7	43.9	53.7	59.5	67.1	70.3	62.6	51.5	40.9	31.5	47.3	
	S D	6.086	6.830	6.387	6.948	6.999	5.500	6.796	5.741	5.682	6.656	7.377	6.713	16.481	
	TOTAL OBS	910	826	907	856	912	865	899	913	880	921	884	919	10692	
09-11	MEAN	30.4	30.9	37.2	50.6	59.9	64.0	72.0	75.7	69.0	59.5	47.0	35.1	52.7	
	S D	5.814	6.348	6.817	7.474	8.339	6.436	8.157	6.366	4.750	6.043	7.879	7.149	17.125	
	TOTAL OBS	900	808	888	856	902	841	896	905	873	909	883	916	10577	
12-14	MEAN	32.4	33.1	39.2	52.2	61.3	64.6	72.8	76.7	70.5	61.9	49.2	37.0	54.4	
	S D	6.159	6.257	7.298	7.828	8.764	6.728	8.387	6.834	5.004	6.285	8.145	7.815	16.877	
	TOTAL OBS	897	819	900	872	900	866	898	909	888	920	893	917	10679	
15-17	MEAN	31.1	32.1	37.8	50.2	59.3	63.0	71.3	75.1	68.8	59.4	46.6	35.0	52.6	
	S D	6.373	6.389	7.098	7.586	8.507	6.533	7.736	6.683	4.734	6.279	8.133	7.648	16.762	
	TOTAL OBS	907	818	901	861	911	872	903	913	884	912	883	918	10683	
18-20	MEAN	28.9	29.5	34.4	45.5	54.5	59.8	67.7	71.6	65.3	54.3	43.5	32.8	49.1	
	S D	6.254	6.387	6.354	6.666	7.069	5.677	6.700	5.426	4.51	6.101	7.334	7.112	16.048	
	TOTAL OBS	906	827	912	867	909	865	906	909	883	918	88	923	10714	
21-23	MEAN	27.9	28.5	32.7	43.2	51.6	57.9	65.9	69.8	63.1	52.4	41.8	31.9	47.4	
	S D	6.258	6.471	6.092	6.381	6.038	4.992	6.083	5.138	5.182	6.242	7.195	7.054	15.453	
	TOTAL OBS	900	825	909	860	907	870	903	916	885	916	882	915	10668	
ALL HOURS	MEAN	29.0	29.3	34.4	46.0	54.9	60.3	68.2	72.0	65.2	55.1	43.8	33.3	49.4	
	S D	6.435	6.923	7.211	8.159	8.554	6.504	7.687	6.675	6.238	7.619	8.167	7.398	16.559	
	TOTAL OBS	7233	6570	7222	6895	7274	6907	7214	7297	7065	7333	708	7337	85427	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

44402 HISA A AB JP

69-79

STATION		STATION NAME												YEARS	
HRS	LIST	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL	
0-22	MEAN	25.3	25.4	29.1	38.2	46.6	55.4	63.0	65.2	58.9	48.0	37.9	29.3	43.7	
	S D	5.597	5.930	5.460	6.084	5.181	4.604	5.391	4.721	5.574	6.423	6.634	6.190	15.335	
	TOTAL OBS	905	822	904	862	915	864	908	915	884	916	886	916	10657	
3-25	MEAN	25.0	24.8	28.4	37.4	46.0	54.9	62.4	65.4	58.0	47.1	37.5	29.0	43.1	
	S D	5.677	6.241	5.461	6.125	5.392	4.677	5.419	4.893	5.904	6.397	6.664	6.097	15.272	
	TOTAL OBS	905	825	901	861	917	864	901	917	888	921	882	913	10695	
6-28	MEAN	25.1	24.7	29.2	39.6	48.9	57.0	64.4	66.8	59.3	48.0	37.8	29.0	44.2	
	S D	5.557	6.193	5.658	5.902	5.178	4.594	5.531	4.805	5.633	6.299	6.854	6.081	15.824	
	TOTAL OBS	910	826	907	856	912	865	899	913	880	921	883	919	10691	
9-31	MEAN	27.6	28.0	32.9	43.3	52.1	59.5	67.1	69.6	62.8	52.7	41.8	31.6	47.5	
	S D	5.137	5.480	5.443	5.842	5.311	4.693	5.847	4.709	4.703	5.650	6.856	6.251	15.714	
	TOTAL OBS	698	808	887	856	901	841	896	905	873	909	883	916	10573	
12-34	MEAN	28.9	29.4	34.0	44.1	52.7	59.8	67.3	70.0	63.3	53.7	42.8	32.6	48.3	
	S D	5.251	5.333	5.556	5.660	5.346	4.710	5.748	4.809	4.705	5.820	6.920	6.471	15.382	
	TOTAL OBS	896	819	899	872	900	866	898	909	888	919	893	917	10676	
15-37	MEAN	28.1	28.8	33.2	42.9	51.6	58.7	66.5	69.1	62.7	52.8	41.5	31.3	47.4	
	S D	5.622	5.583	5.524	5.593	5.294	4.584	5.707	4.684	4.610	6.009	7.143	6.604	15.437	
	TOTAL OBS	906	818	900	861	911	872	903	913	884	912	883	918	10681	
18-40	MEAN	26.6	27.2	31.2	40.5	49.2	56.9	64.7	67.6	61.1	50.4	39.7	29.9	45.5	
	S D	5.789	5.637	5.346	5.698	5.053	4.518	5.415	4.385	4.945	6.223	6.974	6.388	15.413	
	TOTAL OBS	908	826	912	867	908	865	906	909	883	917	887	923	10711	
21-43	MEAN	25.8	26.3	30.0	39.1	47.8	55.9	63.8	66.7	59.7	48.8	38.4	29.3	44.4	
	S D	5.824	5.877	5.543	5.893	4.933	4.344	5.270	4.512	5.364	6.292	6.830	6.320	15.357	
	TOTAL OBS	900	825	909	859	907	870	903	916	885	916	882	915	10687	
ALL HOURS	MEAN	26.5	26.8	31.0	40.6	49.4	57.3	64.9	67.7	60.7	50.2	39.7	30.2	45.5	
	S D	5.733	6.059	5.873	6.304	5.726	4.915	5.812	4.950	5.530	6.599	7.129	6.430	15.576	
	TOTAL OBS	7228	6569	7219	6894	7271	6907	7214	7297	7065	7331	7079	7337	85411	

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

44402

MISAWA AB JP

69-79

STATION		STATION NAME												YEARS											
HRS / LT		JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL											
0-02	MEAN	20.2	20.3	24.0	32.8	43.1	54.0	61.8	64.6	56.7	44.6	33.3	24.2	40.1											
	S D	6.853	6.783	6.837	8.100	6.564	5.080	5.553	5.087	6.352	7.572	7.674	7.273	17.098											
	TOTAL OBS	905	822	904	862	915	864	908	915	684	916	686	916	10697											
3-05	MEAN	19.9	19.9	23.5	32.4	42.5	53.6	61.4	63.7	55.9	43.8	33.1	24.1	39.6											
	S D	6.769	6.940	6.689	8.052	6.684	5.205	5.491	5.261	6.646	7.435	7.569	7.134	16.965											
	TOTAL OBS	905	825	901	361	917	864	901	917	686	921	682	913	10695											
6-08	MEAN	20.0	19.7	24.0	33.6	44.0	55.0	62.8	54.8	56.7	44.4	33.3	23.9	40.3											
	S D	6.540	6.976	6.807	7.944	6.511	5.145	5.449	5.180	6.400	7.253	7.821	7.134	17.362											
	TOTAL OBS	910	826	907	856	912	865	899	913	880	921	683	919	10691											
9-11	MEAN	21.5	21.5	25.2	34.0	44.6	56.3	64.4	66.3	58.4	46.4	35.1	25.1	41.7											
	S D	6.376	6.470	6.900	9.070	7.095	5.279	5.654	5.216	6.482	7.560	8.139	7.419	17.512											
	TOTAL OBS	898	808	887	856	901	841	896	905	873	909	683	916	10573											
12-14	MEAN	21.7	22.0	25.1	33.7	44.7	56.3	64.3	66.5	58.3	46.0	34.7	24.9	41.6											
	S D	6.610	6.724	7.081	8.958	7.161	5.282	5.588	5.297	6.815	8.210	8.387	7.409	17.536											
	TOTAL OBS	896	819	899	872	900	866	898	909	888	919	893	917	10676											
15-17	MEAN	21.6	22.0	25.4	33.4	44.1	55.5	63.8	65.9	58.4	46.6	34.9	24.6	41.5											
	S D	7.020	7.018	6.803	8.821	7.383	5.177	5.615	5.192	6.495	8.008	8.381	7.593	17.395											
	TOTAL OBS	906	818	900	861	911	872	903	913	884	912	883	918	10681											
18-20	MEAN	21.0	21.7	25.1	33.6	43.9	54.7	62.8	65.3	58.0	46.1	34.4	24.1	41.0											
	S D	7.191	7.172	7.015	8.462	6.856	5.038	5.418	4.931	6.261	7.740	8.277	7.528	17.233											
	TOTAL OBS	908	826	912	867	908	865	906	909	883	917	887	923	10711											
21-23	MEAN	20.5	21.0	24.7	33.3	43.9	54.4	62.4	64.9	57.3	45.2	33.7	23.9	40.5											
	S D	7.117	7.000	7.022	8.405	6.448	4.768	5.317	5.008	6.238	7.684	8.013	7.453	17.197											
	TOTAL OBS	900	825	909	859	907	870	903	916	885	916	882	915	10687											
ALL HOURS	MEAN	20.8	21.0	24.6	33.4	43.9	55.0	63.0	65.3	57.4	45.4	34.0	24.3	40.8											
	S D	6.848	6.944	6.925	8.496	6.878	5.206	5.595	5.220	6.523	7.748	8.070	7.379	17.302											
	TOTAL OBS	7228	6569	7219	6894	7271	6907	7214	7297	7065	7331	7079	7337	85411											

RELATIVE HUMIDITY

STATION

STATION NAME

11702

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

[illegible]

2

CLIMATE DIVISION
 OFFICE OF
 AIR FORCE SERVICE

RELATIVE HUMIDITY

44-11111A-01-01

7-75

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-1		100.0	100.0	100.0	100.0	99.9	97.8	93.7	88.5	83.3	78.1	10
1-2		100.0	100.0	100.0	100.0	99.9	97.8	93.7	88.5	83.3	78.1	321
1-3		100.0	100.0	100.0	100.0	99.9	97.8	93.7	88.5	83.3	78.1	875
1-11		100.0	100.0	100.0	99.6	94.1	72.6	39.1	21.7	6.5	69.4	875
1-24		100.0	100.0	100.0	99.7	85.2	57.6	33.5	16.8	5.7	65.1	319
1-17		100.0	100.0	100.0	99.9	88.6	64.8	37.4	22.6	8.1	67.7	818
1-21		100.0	100.0	100.0	99.9	95.2	81.5	55.0	35.1	16.7	73.4	826
1-25		100.0	100.0	100.0	99.9	98.1	84.7	56.1	34.9	11.5	74.1	525
TOTALS		100.0	100.0	100.0	99.6	94.9	78.5	52.0	30.5	11.0	72.1	6569

GENERAL METEOROLOGICAL SERVICE
 WASHINGTON, D.C.
 AIR FORCE/NAVY/ARMY/AFSC/MAC

RELATIVE HUMIDITY

STATION STATION NAME PERIOD MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-2	1-2	100.0	100.0	100.0	99.9	99.8	99.6	99.3	98.9	98.4	74.9	977
3-4	3-4	100.0	100.0	99.9	99.8	99.6	97.5	87.0	63.9	40.2	75.7	977
5-6	5-6	100.0	100.0	99.7	99.3	95.7	81.2	56.7	36.6	24.9	74.1	977
7-8	7-8	100.0	100.0	98.4	93.9	77.6	52.6	32.1	17.2	7.1	63.8	687
9-10	9-10	100.0	99.9	98.2	87.7	63.6	42.2	23.1	16.1	5.1	59.4	599
11-12	11-12	100.0	100.0	98.7	92.4	74.6	52.0	29.7	19.3	7.3	63.1	925
13-14	13-14	100.0	100.0	99.7	98.2	97.5	73.2	44.7	28.1	11.3	73.2	912
15-16	15-16	100.0	100.0	99.9	99.1	96.3	78.5	54.8	37.3	14.9	73.4	909
17-18	17-18											
19-20	19-20											
21-22	21-22											
23-24	23-24											
TOTALS		100.0	100.0	99.3	96.2	86.5	68.7	45.8	29.6	11.6	69.3	7219

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	-	100.0	100.0	99.9	99.9	98.9	77.0	14.7	34.3	17.8	72.1	82
2	- 5	100.0	100.0	99.3	98.9	92.0	78.9	35.0	39.4	20.8	70.9	131
3	1-10	100.0	99.9	97.7	92.6	84.5	66.8	46.7	72.0	18.0	69.3	136
4	1-11	100.0	99.3	94.1	85.4	55.9	39.8	25.4	15.0	8.9	50.0	356
5	1-14	100.0	97.7	84.1	67.4	51.5	33.8	21.9	12.0	5.2	53.2	870
6	1-17	100.0	98.3	85.2	71.0	58.3	42.5	25.6	15.3	5.6	56.5	361
7	1-20	100.0	100.0	97.7	85.4	75.7	61.2	41.5	26.0	11.0	65.9	357
8	-23	100.0	100.0	99.1	93.7	85.2	70.5	47.6	32.2	15.0	70.1	359
TOTALS		100.0	99.4	94.7	85.0	74.1	58.8	39.9	26.1	12.2	64.7	3894

2

MONTH

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
J.	1-31	100.0	100.0	100.0	100.0	99.7	97.6	93.5	78.1	57.4	33.9	664
A.	1-30	100.0	100.0	100.0	100.0	99.7	97.5	94.7	82.9	59.9	33.7	664
M.	1-31	100.0	100.0	100.0	99.5	98.6	95.4	86.1	67.7	45.4	26.1	665
A.	1-12	100.0	100.0	99.9	99.2	94.4	87.2	67.9	45.7	23.6	77.3	641
M.	10-16	100.0	100.0	99.9	97.8	92.5	83.1	65.6	42.7	19.7	78.1	666
J.	1-17	100.0	100.0	100.0	98.5	93.9	86.0	77.0	49.1	25.3	76.3	670
A.	1-21	100.0	100.0	99.9	99.3	97.5	94.5	84.9	64.5	42.8	84.6	665
M.	11-23	100.0	100.0	100.0	100.0	99.6	97.0	92.9	76.2	53.7	35.9	670
TOTALS		100.0	100.0	100.0	99.3	97.0	92.3	81.9	63.5	41.1	84.1	6907

RELATIVE HUMIDITY

STATION _____

7 - 30

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STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

RELATIVE HUMIDITY

STATION

53. 4. 23

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STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1	-	100.0	100.0	100.0	100.0	100.0	99.1	97.9	74.0	38.9	30.4	815
2	-	100.0	100.0	100.0	100.0	99.9	98.7	91.0	70.9	37.5	20.0	917
3	-	100.0	100.0	100.0	100.0	99.3	96.5	84.5	54.2	26.9	10.1	977
4	1-11	100.0	100.0	100.0	99.7	97.7	84.2	58.1	31.6	9.2	73.7	913
5	1-14	100.0	100.0	99.9	96.5	94.7	79.0	54.3	29.6	7.2	71.9	909
6	1-17	100.0	100.0	99.9	99.3	94.9	82.8	61.7	36.0	11.4	74.2	912
7	1-20	100.0	100.0	100.0	100.0	99.3	93.4	80.4	56.5	22.7	31.2	909
8	1-23	100.0	100.0	100.0	100.0	99.9	98.5	87.7	69.9	31.9	84.7	918
TOTALS		100.0	100.0	100.0	99.7	98.1	91.5	76.3	55.0	23.1	80.2	7297

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RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JUN	-	100.0	100.0	100.0	100.0	98.6	92.1	77.4	44.4	17.2	75.0	115
JUL	-	100.0	100.0	100.0	100.0	99.1	92.9	73.2	47.8	17.2	79.0	921
AUG	-	100.0	100.0	100.0	100.0	98.3	92.5	74.4	41.5	17.6	77.4	500
SEP	-	100.0	100.0	100.0	97.0	81.4	51.8	30.6	13.2	4.0	53.1	919
OCT	-	100.0	100.0	99.6	88.8	62.2	37.3	22.7	9.2	2.6	57.7	919
NOV	-	100.0	100.0	99.9	96.8	82.1	55.6	32.9	13.0	3.7	53.9	912
DEC	-	100.0	100.0	100.0	100.0	97.8	84.3	59.3	27.3	8.3	73.1	917
TOTALS		100.0	100.0	99.9	97.8	89.7	74.6	55.3	29.5	10.3	71.2	7531

THE UNIVERSITY OF CHICAGO

RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD:

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
1-1	-	100.0	100.0	100.0	100.0	98.7	88.6	67.7	41.1	21.2	70.0	687
1-2	-	100.0	100.0	100.0	100.0	99.7	87.3	61.7	36.7	14.7	70.0	687
1-3	-	100.0	100.0	100.0	100.0	98.7	86.6	61.6	36.9	11.9	70.0	687
1-11	-	100.0	99.9	99.9	97.0	82.0	53.6	32.3	18.0	7.2	64.7	687
1-14	-	100.0	100.0	99.6	93.3	84.6	38.3	21.7	12.5	6.6	59.2	690
1-17	-	100.0	100.0	100.0	95.6	82.1	55.4	34.5	17.7	7.6	63.3	650
1-21	-	100.0	100.0	100.0	99.6	95.9	76.8	46.4	24.5	10.9	71.1	687
1-23	-	100.0	100.0	100.0	99.7	97.3	84.6	55.7	30.0	11.6	73.6	667
TOTALS		100.0	100.0	100.0	98.1	89.7	71.1	46.3	25.8	10.0	69.8	7379

RELATIVE HUMIDITY

STATION _____ STATION NAME _____ PERIOD _____ MONTH _____

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN	24	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	71.1	7274
FEB	28	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	71.1	6885
MAR	31	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	69.3	7216
APR	30	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	69.7	6891
MAY	31	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	69.9	7271
JUN	30	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	69.1	6907
JUL	31	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	69.2	7214
AUG	31	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	69.0	7297
SEP	30	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	77.0	7263
OCT	31	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	71.2	7331
NOV	30	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	69.8	7279
DEC	31	100.0	99.7	99.5	99.3	99.1	98.9	98.7	98.5	98.3	71.8	7337
TOTALS		100.0	99.9	99.2	96.9	91.3	78.4	58.8	33.5	17.6	73.8	85411